# WETLAND DELINEATION FOR THE ±800-ACRE SRC MILLING PROPERTY

Sacramento County, California

## Prepared for:

Michael Koewler SRC Milling Company 11350 Kiefer Boulevard Sacramento, California 95830

Prepared by:



October 29, 2008

Project/Site: SRC Milling		Date: Mry 1, 2305
Applicant: SRC Milling		Sample Point: 205
Investigators: JG/BA	County: Sacran	nento State: California
Quad(s): Cumichail		Section 30 Township 8N Range 75
Atypical Situation? Yes No	Potential Problem A	Area? Yes Mo Normal Circumstances? Yes No
VEGETATION		
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status  Rangement 10-7 ani 5 08 C
Hordeun mannun		
Leontedon tarax.	40 -	Deschamena Stath. 5 FACW
		Engingin Vascon: 5 FACH
		Plasio bothy, stip. 5 OBL
Percentage of dominant species t	hat are OBL, FACW, or	FAC: 50 %
Remarks		
Subdiminants	suggest with	land emditures
		Wetland Vegetation (YES NO
SOILS		
Map Unit Name (Series/Phase):	Red Hluff- Re	edding complex
į (	Yes / No Matrix Co	•
Redoximorphic Features:	100 / 110	
Gleyed or Low Chroma	Colors	Reducing Conditions
Low Chroma w/ Mottle		Sulfidic Odor
Aquic Moisture Regime		Concretions
Listed on Local Hydric S		Other
Remarks		<del></del>
Very Mcker. SA	turned at 1	the smylec. Very red, high chrone
		Wetland Soils XES NO
HYDROLOGY		5 4 66 T W.
Inundated? Yes V No	Saturated? Yes	No Depth of/to Free Water: / "
Primary Indicators:	Sec	condary Indicators
Inundated		Oxidized Root Channels in Upper 12"
Saturated in Upper 12"		Water-Stained Leaves
Water Marks/Drift Line	:S	Local Soil Survey Data
Sediment Deposit		Other
Algal Matting		
Drainage Patterns in We	etlands	
Remarks:	·	
Very shallow	nuraren,	
		Wetland Hydrology (YES) NO
WETLAND/WATERS DETE	RMINATION	
Hydrophytic Vegetation Present		)
Hydric Soils Present?	YesNo	Other Waters.: YesNo
Wetland Hydrology Present?	Yes V No	
Remarks:		
Men the idsi	of a very sh	iablene prol.
<b>[</b>	<u>.</u>	

(diam)

Project/Site: SRC Milling				Date: NUG 1, 2003			
Applicant: SRC Milling				Sample Point: 206			
Investigators: JG/BA	County: Sacramento			State: California			
Quad(s): Charmichael				Section 70 Town			
Atypical Situation? Yes (No)	Potential	Problem Ai	rea? Yes	Normal Circu	mstances?	Yes No	
VEGETATION							
Dominant Plant Species	% Cover	Status	Non-Do	minant Plant Species	% Cover	Status	
Hordeur marine	40	FAL	Thin	then dutium		FACU	
			3				
Vista mico to tachy.				····		<del></del>	
Leanteder lacax	70						
						<del></del>	
]							
7		WACTAL T	· · · · · · ·	ov .			
Percentage of dominant species th	at are OBL,	FACW, or F	AC:00	%			
Remarks:	and her						
No sterning indi	CALLERON	- W. T.				_	
				Wetland W	egetation Y	R NO	
				TTELLIAI V	egeation 1.		
SOILS							
	1 1 4/	1.1 10.	al al e i	A			
Map Unit Name (Series/Phase):	Rea M	up. M	ciains	err pery			
Mottled? Yes / No Gleyed?	(es / No)	Matrix Co	ilor: 5 )	R3/4 Mottle	Color:		
Redoximorphic Features:			•	, , , , ,			
Gleyed or Low Chroma (	Colors			Reducing Condition	າຣ		
Low Chroma w/ Mottles				Sulfidic Ödor			
Aquic Moisture Regime				Concretions			
Listed on Local Hydric S	oil List			_Other			
Remarks:	ء . بل		, .	1 -			
Remarks: /dash sturma	Carl Carl	to produce of	Jet 1.19	ten.			
			,	Wetland S	oils YES	(NO)	
		<del> </del>	•	1 / 01/11/11			
HYDROLOGY							
Inundated? YesNo	_Saturated?		No	Depth of/to Free Wa	ater:		
Primary Indicators:		Seco	ndary Indi		T 400		
Inundated				zed Root Channels in U	Jpper 12"		
Saturated in Upper 12"			<del></del>	-Stained Leaves			
Water Marks/Drift Lines	l			Soil Survey Data			
Sediment Deposit			Other				
Algal Matting	11_						
Drainage Patterns in Wet Remarks:	ancs						
1	,						
No hydrilizy. (	)alrido	aladle	ur de	1			
' "			1 01.0%	contraction in			
				Wetland H	lydrology Y	es No	
WETLAND/WATERS DETER	MINATIO	ON					
Hydrophytic Vegetation Present?	Ye		V	<del>,</del>		<b>*</b>	
Hydric Soils Present?	Yes			Other Waters.:	Yes :	No 🗸	
Wetland Hydrology Present?	Ye		レ	. Wetland:		No V	
Remarks:							
		/	,				
No welled pa	earned	in in	want.				
1		,					
1							
1							

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Carmichal Atypical Situation? Yes (N)	County: Sacrar	Section 30 Township 8N Range 7E
VEGETATION		
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status
Deschampsin danth		Lesthem herry FACW basthenia glaberina OBL
Brasa-green of		hasthenia glabeiring OBL
Percentage of dominant species the Remarks: Subdimerran for a		
SOILS		
Map Unit Name (Series/Phase):	Red Blulj - Re	ddig comply
Redoximorphic Features: Gleyed or Low Chroma Low Chroma w/ Mottle Aquic Moisture Regime Listed on Local Hydric S Remarks: January Chroma deprical Chroma depri	Colors 8 Boil List	Color: 7.5 YR 3/4 Mottle Color: Fair to district in district. Reducing ConditionsConcretionsOther    Concretions
		TYCEMEN COMP.
HYDROLOGY	/ C-1	No. Double of the Esse Makes C. II
Inundated? Yes No V		NoDepth of/to Free Water: &"
Primary Indicators: Inundated	<i>3</i> 80	Oxidized Root Channels in Upper 12"
Saturated in Upper 12"	****	Water-Stained Leaves
Water Marks/Drift Line	s	Local Soil Survey Data
Sediment Deposit		Other
Algal Matting	.9 1	
Drainage Patterns in We Remarks:	tiends .	
Selwold in wholls	ou de pressur	
	,	Wetland Hydrology XES) NO
		vveimid Tydrology (113) 140
WETLAND/WATERS DETE	RMINATION	
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:		Other Waters.: YesNo
Shallow depters	in, margina	a./

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Carmichael Atypical Situation? Yes No	County: Sacrame	Section 30 Township $ heta_N$ Range $ heta \in$
VEGETATION	~	
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status  / \( \lambda \lambd
Dunie haldean		
- Trifile Curio	40 FACU	Endir bernya 5
·		Lathyer circua 5 -
		Julpia mynn 5
Percentage of dominant species to Remarks:		AC: 0 %
No indicates &	) (/) ( "f"	
		Wetland Vegetation YES (NO)
SOILS		
Map Unit Name (Series/Phase):	Red Blog - Red	Idan's Campilly
Redoxinforphic Features:  Gleyed or Low Chroma  Low Chroma w/ Mottle  Aquic Moisture Regime  Listed on Local Hydric S  Remarks:  Srils mm Sinal,	Colors is  Soil List  LINE JULY  Saturated? Yes  Secon	Reducing Conditions Sulfidic Odor Concretions Other  Wetland Soils YES (NO)  No 1 Depth of/to Free Water: Indary Indicators Oxidized Root Channels in Upper 12" Water-Stained Leaves Local Soil Survey Data Other
Remarks: Swale with mo	•	alega,
		Wetland Hydrology YES NO
	ma aray a 11140-a	**************************************
WEILAND/WATERS DETE Hydrophytic Vegetation Present: Hydric Soils Present? Wetland Hydrology Present? Remarks:	YesNo_ YesNo_ YesNo_	✓ 7 Other Waters.: YesNo ✓
Shellier swale ain	needing puls	

Project/Site: SRC Milling		Date: Point: 209
Applicant: SRC Milling	Country Comm	*
Investigators: JG/BA Quad(s): Carrichal	County: Sacrame	ento State: California Section 30 Township 8N Range 75
Atypical Situation? Yes No	Potential Problem Ar	
VEGETATION 1es 249	Totestial Troplett At	eat les 140 1401 liai Circuitstances (les) 140
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status
Horder marine	BO FAC	Druniscia rationa OBL
		n.
		Brynsin rg. FACW
		Kanmonta bypaum Ofic
		bother multiple FAC
		lentidor tarax
Percentage of dominant species the	hat are OBL, FACW, or F	AC: 180 %
Remarks: Sur drin in a. f.	accend india	ad Indition
301.01.1667.01.71	anger acces	
		Wetland Vegetation (FS) NO
SOILS		
Map Unit Name (Series/Phase):		
Mottled? Yes / No Gleyed?	Yes / No Matrix Col	lor: 10 YR 3/4 Mottle Color:
Redoximorphic Features:		
Gleyed or Low Chroma		Reducing Conditions
Low Chroma w/ Mottle	S	Sulfidic Odor
Aquic Moisture Regime		Concretions
Listed on Local Hydric S	ioil List	Other
Rockey, warmy -		_
Rockey, learning - Saturated at 10.12	_''	Wetland Soils (YES) NO
HYDROLOGY	,	
Inundated? Yes No 🗸	Saturated? Yes	_No Depth of/to Free Water: /0 - /2.11
Primary Indicators:	Seco	ndary Indicators
Inundated		Oxidized Root Channels in Upper 12"
Saturated in Upper 12"		Water-Stained Leaves
Water Marks/Drift Line	<u></u>	Local Soil Survey Data
Sediment Deposit		Other
Algal MattingDrainage Patterns in We	Handa	
Pomorke	<b>t</b> •	
Inillier swale, a	maignal.	Part Court
		Wetland Hydrology (YES) NO
· · · · · · · · · · · · · · · · · · ·	<del></del>	Webala Tydraby (Tib) NO
WETLAND/WATERS DETE	RMINATION	
Hydrophytic Vegetation Present?	YesNo_	
Hydric Soils Present?	YesNo_	
Wetland Hydrology Present? Remarks:	YesNo_	Wetland: Yes V No
Margual Amele	•	

Project/Site: SRC Milling				Date: May 1)	210	
Applicant: SRC Milling	Sample Forne:					
Investigators: JG/BA	County: Sacramento State: California					
Quad(s): Carmichul	Matantial	Section 20 Township 2 N Range 75 Potential Problem Area? Yes No Normal Circumstances? (Yes) No				
Atypical Situation? Yes (Nb)	Potential	Problem A	rea? Yes	No Normal Circi	imstances? (	Yes) No
VEGETATION						
Dominant Plant Species	% Cover 4 <i>b</i>	Status		minant Plant Species	% Cover	Status
	30			dr. tarax		
Trifalin histor		<del></del>		- broken		
Primus Mr. deacer	20	FALU	Lolia	- multippe		FAL
Tiller dubie	20	FAUU		_		
			<u> </u>			
		·			-	
<del></del>						*****
Percentage of dominant species the	hat are OBL,	FACW, or F	AC: D	%		
Remarks: No indicate	1 - p. 1.6.1	ent				
	,					
				Wetland V	egetation Yi	es NO)
L				7700000	ogometor 12	2 (12)
SOILS						
Map Unit Name (Series/Phase):	Ded Del	us Re	delinic	Counter.		
Map Unit Name (Series/ Phase):	72.(0 - 70	"		Coppy of the gr	.ســ	. 1
Mottled? Yes / No Gleyed?	Yes / Ng	Matrix Co	lor: 7.5	YR 3/4 Mottle	Color: FA	nt-distinct
Redoximorphic Features:	•			notes on the	r 	-alistin of
Gleyed or Low ChromaLow Chroma w/ Mottle			•	Reducing Condition Sulfidic Odor	as	
Low Chronia w/ Monte	ь		<del></del>	Sumaic Odor Concretions		
Listed on Local Hydric S	ioil List			Other		
im i						
High element.	21.570	ine h	14 pm	The GALLER	they to me	Per 18
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 0.2		0			
L				Wetiand S	oils YES	NO
HYDROLOGY						
Inundated? Yes No V	Saturated?	Yes	No	Depth of/to Free W	ater:	· · · · · · · · · · · · · · · · · · ·
Primary Indicators:	-		ndary Indi	cators		
Inundated				zed Root Channels in I	Upper 12"	
Saturated in Upper 12"				-Stained Leaves		
Water Marks/Drift Line	8			Soil Survey Data		
Sediment Deposit		<del></del>	Other			
Algal Matting						
Drainage Patterns in We	tlands					
Remarks: No hydringen	- 1. a i	ant the	11	/		
We rejacting y	Supere	in a parter	6 11 -01	(A (C		
1				Wetland F	Iydrology Y	es No
		-				
WETLAND/WATERS DETE	RMINATIO	ON	_			
Hydrophytic Vegetation Present?	Yes		·	_		
Hydric Soils Present?	Ye			Other Waters.:		No <u>&amp;</u>
Wetland Hydrology Present?	Ye	sNo_	<u> </u>	. Wetland:	Yes	No_ <u> </u>
Remarks:						
	seenle					
Stope above the	mante.	•				
	sun le	. 1				

Anna I

Project/Site: SRC Milling				Date: May 1, 2	003 711	
Applicant: SRC Milling	Corre	ter Comon		Sample Point: State: California	211	
Investigators: JG/BA	Cour	ity: Sacram	nento	Section 30 Town	ohin BN D	ange 75
Quad(s): Carmichael Atypical Situation? Yes No	Potential	Problem A	rea? Yes	Normal Circu	mstances? /	Yes) No
VEGETATION						<i></i>
Dominant Plant Species Thisten his for	% Cover	Status		inant Plant Species	% Cover	Status
Bromes hordeacon	40	FALU	. •	a du bi um		
			Grodu	a botuga		
			Italo	carpba		
			Lent	odor tarax	·	
Percentage of dominant species the	nat are OBL,	FACW, or 1	FAC: Ø 9	<u> </u>		<del></del>
No indicator po	es enter					
or one ( ) .				Wetland Ve	egetation YI	es (NO)
SOILS						
Map Unit Name (Series/Phase):	Hedge	Clari	1			
l control of the cont	Yes / No)		olor: 10 Y	とう/4 Mottle	Color:	•
Redoximorphic Features:					_	
Gleyed or Low Chroma Low Chroma w/ Mottle			<del></del>	_Reducing Condition Sulfidic Odor	15	
Aquic Moisture Regime	•			Concretions		
Listed on Local Hydric 5				_Other		
Remarks: Loang. Hig	ch chur	ra.				
						$\sim$
	<del></del>		<del></del>	Wetland So	oils YES	(NO)
HYDROLOGY	<i></i>					
Inundated? YesNo	_Saturated?		No ondary Indic	Depth of/to Free Wa	iter:	
Primary Indicators: Inundated		Seu		ators ed Root Channels in U	Joper 12"	
Saturated in Upper 12 <sup>n</sup>				Stained Leaves	**	
Water Marks/Drift Line	5			oil Survey Data		
Sediment Deposit			Other			
Algal MattingDrainage Patterns in We	tlands					
Remarks:		•				
Wohydrology. Abru	e the co	ech files	delair.			
				Wetland H	ydrology Y	es (NO)
TAIRPRI A BITTO BATA (PRESS) TO THE	DRATES A 1915	38T				
WETLAND/WATERS DETE Hydrophytic Vegetation Present					<u> </u>	
Hydric Soils Present?	Ye		<del></del>	Other Waters.:	Yes	No
Wetland Hydrology Present? Remarks:	Ye			. Wetland:		No
Point above creek	flord	plani.				
	/	•				
1						

Project/Site: SRC Milling			Date: Yuy 1, 2			
Applicant: SRC Milling	Sample Point: 212					
Investigators: JG/BA,	County: Sacramento State: California					
Quad(s): Cumichal	Section 30 Township 8 N Range 75					
Atypical Situation? Yes No	Potential	Problem Aı	rea? Yes Mo Normal Circui	mstances? (Yes) No		
VEGETATION						
Dominant Plant Species	% Cover	Status	Non-Dominant Plant Species	% Cover Status		
Hadem marinar	-70		Collegeria occid.			
Ranuncalus Vonaviorei	<u> 30</u>	OBL	Plageot. Atop.	OBL		
1			Vulpia bromide			
Percentage of dominant species th	at are OBL,	FACW, or F	AC: 700 %			
Remarks:						
			Motland Va	getation YES NO		
L			AAGUSTO AG	geomon 115 IVO		
SOILS						
Map Unit Name (Series/Phase):	Heda	c drem				
				r 1.		
Mottled? Yes / No Gleyed?	Yes / [Ño]	Matrix Co	lor: 10 YR 3/4 Mottle	Color: Turt,		
Redoximorphic Features:						
Gleyed or Low Chroma			Reducing Condition	6		
Low Chroma w/ Mottle	3		Sulfidic Odor			
Aquic Moisture Regime			Concretions			
Listed on Local Hydric S	oil List		Concretions Other			
Listed on Local Hydric S						
Listed on Local Hydric S						
Listed on Local Hydric S				ilis (YES) NO		
Listed on Local Hydric S Remarks: Safwated At B-1			Other	ils <del>(TES)</del> NO		
Listed on Local Hydric S Remarks: Safusafed at B-/ HYDROLOGY	'o "·	Yes	Other  Wetland So			
Listed on Local Hydric S Remarks: Safus field at B-/ HYDROLOGY Inundated? YesNo			Other  Wetland So  Depth of/to Free Wa			
Listed on Local Hydric S Remarks: Safusafed at B-/ HYDROLOGY	'o "·		Other  Wetland So	ter: 8-10"		
Listed on Local Hydric S Remarks:  Salwaled Ab B-/  HYDROLOGY  Inundated? YesNo  Primary Indicators:Inundated	'o "·		Other  Wetland So  No Depth of/to Free Wa	ter: 8-10"		
Listed on Local Hydric S Remarks:  Safus At d At B-/  HYDROLOGY  Inundated? YesNo  Primary Indicators:	Saturated?		Other  Wetland So  No Depth of/to Free Wandary Indicators Oxidized Root Channels in U	ter: 8-10"		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Inundated? Yes No_  Primary Indicators: Inundated  Saturated in Upper 12"  Water Marks/ Drift Lines Sediment Deposit	Saturated?		Other  Wetland So No Depth of/to Free Wa  andary Indicators  Oxidized Root Channels in U  Water-Stained Leaves	ter: 8-10"		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?		Other  Wetland So No Depth of/to Free Wa andary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey Data	ter: 8-10"		
Listed on Local Hydric S Remarks:  Saturated and B-/  HYDROLOGY  Inundated? Yes No  Primary Indicators: Inundated  Saturated in Upper 12 <sup>n</sup> Water Marks/Drift Lines Sediment Deposit  Algal Matting Drainage Patterns in Weight	Saturated?		Other  Wetland So No Depth of/to Free Wa andary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey Data	ter: 8-10"		
Listed on Local Hydric S Remarks:  Safwart d at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?		Other  Wetland So No Depth of/to Free Wa andary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey Data	ter: 8-10"		
Listed on Local Hydric S Remarks:  Safwart d at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?		Other  Wetland So No Depth of/to Free Wa andary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey Data	ter: 8-10"		
Listed on Local Hydric S Remarks:  Saturated and B-/  HYDROLOGY  Inundated? Yes No  Primary Indicators: Inundated  Saturated in Upper 12 <sup>n</sup> Water Marks/Drift Lines Sediment Deposit  Algal Matting Drainage Patterns in Weight	Saturated?		Other  Wetland So No Depth of/to Free Wa andary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey Data	ter: 8-10"		
Listed on Local Hydric S Remarks:  Salwalt d at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?		Other Other	ter: 8-10"  [pper 12"		
Listed on Local Hydric S Remarks:  Safwart d at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?		Other Other	ter: 8-10"		
Listed on Local Hydric S Remarks:  Salmated at B-1  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?	Seco	Other Other	ter: 8-10"  [pper 12"		
Listed on Local Hydric S Remarks:  Safwarted at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?	Seco	Other Other	ter: 8-10"  [pper 12"		
Listed on Local Hydric S Remarks:  Salmated at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?  Saturated?  Saturated?	Seco	Other Other	ter: <i>B-/b<sup>n</sup></i> [pper 12 <sup>n</sup> ydrology (YES) NO		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Inundated? Yes No Primary Indicators:	Saturated?  Saturated?  Saturated?  Saturated?	Seco	Other  Wetland So NoDepth of/to Free Wa mdary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey DataOther  Wetland H  Other Waters.:	ter: \(\mathcal{B}\-/\D)^n\)  (pper 12"  ydrology (YES) NO  YesNo		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Imundated? Yes No Primary Indicators:	Saturated?  Saturated?  Saturated?	Seco	Other  Wetland So NoDepth of/to Free Wa mdary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey DataOther  Wetland H  Other Waters.:	ter: <i>B-/b<sup>n</sup></i> [pper 12 <sup>n</sup> ydrology (YES) NO		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Inundated? Yes No_ Primary Indicators: Inundated  Saturated in Upper 12 <sup>n</sup> Water Marks/Drift Lines Sediment Deposit  Algal Matting Drainage Patterns in We Remarks:  Shallow de present?  Hydrophytic Vegetation Present?  Hydric Soils Present?  Wetland Hydrology Present?  Remarks;	Saturated?  Saturated?  Saturated?  Saturated?  Saturated?	Seco	Other Other	ter: \(\mathcal{B} - I\) \(\mathcal{D}\)  [pper 12"  ydrology (YES) NO  Yes No Yes No		
Listed on Local Hydric S Remarks:  Saturated at B-/  HYDROLOGY  Inundated? Yes No_ Primary Indicators: Inundated  Saturated in Upper 12 <sup>n</sup> Water Marks/Drift Lines Sediment Deposit  Algal Matting Drainage Patterns in We Remarks:  Shallow de present?  Hydrophytic Vegetation Present?  Hydric Soils Present?  Wetland Hydrology Present?  Remarks;	Saturated?  Saturated?  Saturated?  Saturated?  Saturated?	Seco	Other Other	ter: \(\mathcal{B} - I\) \(\mathcal{D}\)  [pper 12"  ydrology (YES) NO  Yes No Yes No		
Listed on Local Hydric S Remarks:  Salmated at B-/  HYDROLOGY  Inundated? Yes No_ Primary Indicators: Inundated Saturated in Upper 12 <sup>n</sup> Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in We Remarks:  Shallow de present?  Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks;	Saturated?  Saturated?  Saturated?  Saturated?  Saturated?	Seco	Other  Wetland So NoDepth of/to Free Wa mdary IndicatorsOxidized Root Channels in UWater-Stained LeavesLocal Soil Survey DataOther  Wetland H  Other Waters.:	ter: \(\mathcal{B} - I\) \(\mathcal{D}\)  [pper 12"  ydrology (YES) NO  Yes No Yes No		

Simple .

Project/Site: SRC Milling Applicant: SRC Milling				Date: Mary 1, Sample Point:	213			
Investigators: JG/BA	County: Sacramento			State: California				
Quad(s): Carrichael				Section 30 Town				
Atypical Situation? Yes No	Potential Pr	roblem A	rea? Yes	No Normal Circu	mstances?(Y	es No		
VEGETATION	•							
Dominant Plant Species	% Cover	Status	Non-Do	ominant Plant Species	% Cover	Status		
		<del></del>						
		·····				<del></del>		
				•				
Percentage of dominant species to Remarks:			AC:	%				
Open water. No be	g in cha	nnet.				_		
willing unditin	<b>,</b> .			Wetland Ve	egetation YES	(NO)		
SOILS								
Map Unit Name (Series/Phase):	Kedge	Coan	1					
Mottled? Yes / No Gleyed?	Yes / No	Matrix Co	lor:	Mottle	Color:			
Redoximorphic Features:	- 1							
Gleyed or Low Chroma Low Chroma w/ Mottle				Reducing Condition Sulfidic Odor	8			
Aquic Moisture Regime	3			Concretions				
Listed on Local Hydric S	ioil List			Other				
Remarks: Inund sted. 1-2	11.4 ?							
muna Med. 1-2	yai							
<u> </u>	···	·		Wetland Sc	ils YES	NO		
HYDROLOGY								
Inundated? YesNo	_Saturated? You		_No	Depth of/to Free Wa	ter: 1-2	, <u>z</u>		
Primary Indicators:		Seco	ndary Ind					
Inundated Saturated in Upper 12"				zed Root Channels in U r-Stained Leaves	pper 12"			
Water Marks/Drift Line	3			Soil Survey Data				
Sediment Deposit			Other	•				
Algal MattingDrainage Patterns in We	tlands							
Remarks:	шицив	•						
Channel of Cuck								
				Wetland H	vdrology YES	on (a		
				· · · · · · · · · · · · · · · · · · ·		<del></del>		
WEILAND/WATERS DETE		<del></del>		· ****		······································		
Hydrophytic Vegetation Present? Hydric Soils Present?	Yes Yes	レ No_ レ No	<del></del>	Other Waters.:	V00 1 / NT	_		
Wetland Hydrology Present?	Yes	No			YesN Yes N			
Remarks:						<b></b>		
Center of Freque o	wele o.	HOUM	i. 4-	5 Let				
I fort or less in	most p	laces.	, ,					

Project/Site: SRC Milling				2111			
Applicant: SRC Milling				Sample Point: 214			
Investigators: JG/BA,	Cour	nty: Sacrame	ento	State: California			
Quad(s): Carryichael		-	. <u>.</u> -	Section 50 Town	iship $\mathcal{B} \mathcal{N}$ R	ange 7년	
Atypical Situation? Yes No	Potential '	Problem Ar	rea? Yes (N	o Normal Circu	ımstances? /	Yes No	
					,		
VEGETATION	× C	Chabasa	NT Down	ant Diant Carries	% C	Chatra	
Dominant Plant Species	% Cover	Status		nant Plant Species		Status	
nomus hordercan	60	FACU	7	m dubin		FACU	
Vulpia sp	<u> 30</u>		Brode	in beturn			
			Α	/			
				s diriden.	<del></del>		
			Lithe	no ence			
				7			
		<del></del>			·		
D		TACTAL T	AC: 00 0		-	<del> </del>	
Percentage of dominant species the Remarks:	nar are ODL,	FACW, OF F.	AC: 16 76				
No indicators as	research.						
100 braces to p	ments to A .						
				Wetland V	egetation Y	ES (NO)	
SOILS							
Map Unit Name (Series/Phase):	The second	+ d .		e las			
	•	•				_	
Mottled? (Yes)/ No Gleyed?	Yes / No	Matrix Co	lor: 7.5 Y/	₹ 3/U Mottle	Color: V.	ng law frank modifies	
Redoximorphic Features:			•	1	c E	ach medition	
Gleyed or Low Chroma	Colors			Reducing Condition	ns	acted.	
Low Chroma w/ Mottle				Sulfidic Odor			
Aquic Moisture Regime	-			Concretions			
Listed on Local Hydric S	oil List			Other			
Remarks							
13.7.1	/	,					
Idigh chuma, esp.	and for	orging he	<b>5</b> -				
<u> </u>	•	•	•	Wetland S	oils YES	(NO)	
HYDROLOGY							
Inundated? Yes No 🗸	Saturated?	Yes	No_ 🗸	Depth of/to Free W	ater:	· · · · · · · · · · · · · · · · · · ·	
Primary Indicators:	_	Seco	ndary Indica				
Inundated				l Root Channels in T	Jpper 12"		
Saturated in Upper 12"				ained Leaves	**		
Water Marks/Drift Line	8		Local So	il Survey Data			
Sediment Deposit			Other	•			
Algal Matting			<del></del>				
Drainage Patterns in We	tlands						
Romarke		•		4			
No hyderliggy	Print	clout 1	hecher	rnet.			
100 mg accircing supp							
				Wetland H	Iydrology Y	es (NO)	
				<del></del>			
WEILAND/WATERS DETE	RMINATI	ON					
Hydrophytic Vegetation Present?				<del></del>	<del></del>		
Lindria Caila Drannes				Other Males	Van	NTs	
Hydric Soils Present?	Yes	sNo_	V	Other Waters.:		No	
Wetland Hydrology Present?		sNo_		Other Waters.: Wetland:		No No	
Wetland Hydrology Present? Remarks:	Ye: Ye:	sNo_ sNo_	V			-	
Wetland Hydrology Present? Remarks:	Ye: Ye:	sNo_ sNo_	V			-	
Wetland Hydrology Present?	Ye: Ye:	sNo_ sNo_	V			-	
Wetland Hydrology Present? Remarks:	Ye: Ye:	sNo_ sNo_	V			-	
Wetland Hydrology Present? Remarks:	Ye: Ye:	sNo_ sNo_	V			-	

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(6): Committee Atypical Situation? Yes No	County: Sacramento Potential Problem Area? Yes			Date: Mag 1, 1003 Sample Point: 2/5 State: California Section 30 Township 8N Range 75 No Normal Circumstances? Yes No		
VEGETATION						
Dominant Plant Species	% Cover	Status	Non-Do	minant Plant Species	% Cover	Status
Jelius mulliflere		FALL	Plasi	telling stip.		OBL
bylyceria occidentato	20	OBL		·		
Hondeun marina	<u>20</u>	FAC				
Percentage of dominant species th	 nat are OBL,	FACW, or F.	AC: /00	<b>%</b>		
Remarks:					egetation (YE	B) NO
SOILS					<u></u>	,
Map Unit Name (Series/Phase):  Mottled? Yes/ No Gleyed? Redoximorphic Features:  Gleyed or Low Chroma Chroma Chroma W/ Mottles  Aquic Moisture Regime Listed on Local Hydric S  Remarks:  Gleyed leger 2	Per / No Colors oil List	Mat <del>ri</del> x Col	or: 7.5	Mottle  Reducing Condition Sulfidic Odor Concretions Other	s pl	mell, funt orge and lack miller love, saide,
	_Saturated?			Depth of/to Free Wa	ter:	
Primary Indicators: Inundated		Seco	ndary Indi Ovidia	cators zed Root Channels in U	inner 19 <sup>p</sup>	
Saturated in Upper 12"		·		Stained Leaves	Lhmre	
Water Marks/Drift Lines	3		Local	Soil Survey Data		
Sediment Deposit			Other			
Algal MattingDrainage Patterns in Wei Remarks:						
Magin 3 wet as	14. S	ri (hu	sten	g indication		· <u>`</u>
				Wetland H	ydrology (YI	es /no
WEILAND/WATERS DETER	RMINATIO	ON			\	-
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	Ye. Ye.			Other Waters.: \ Wetland:	Yesl Yesl	No
point in wan 11	h upl	and five	flaid	adge.		

Project/Site: SRC Milling		Date: '
Applicant: SRC Milling		Sample Point: 216
Investigators: JG/BA	County: Sacram	ento State: California
Quad(s): Carmichal		Section 30 Township GN Range 75
	Potential Problem A	
, , , , , , , , , , , , , , , , , , ,	1 Official 1 10 New 11	Test 140) 1401mm Chemisanico. 110) 140
VEGETATION	% Cover Status	Non-Dominant Plant Species % Cover Status
Dominant Plant Species		Triplin dulin FACI
Trifo (un Du teraman	· · · · · · ·	<i>i</i>
Promun hordice.	40 FALU	Tri teli dista
	· · ·	
		Holicarpha -
		Holicarcha
<del></del>	<del></del>	
Percentage of dominant species the	at are OBL. FACW, or E	AC: Ø %
Remarks:	<b></b>	,
No indicators pur	. /	
No wall was put	luf	
		Wetland Vegetation YES (NO)
SOILS		
Map Unit Name (Series/Phase): /	Eddament be	ne sardy lean
		olor: 7.5 YR 2.5/2, Mottle Color: Indistrict
Mottled? Yes / No Gleyed? Y	es / No) Matrix Co	olor: 1.5 1/2 2.5/2 Mottle Color: Planguit in 1/1/2
neadymorbine rearmes.		
Gleyed or Low Chroma C	olors	Reducing Conditions
Low Chroma w/ Mottles		Sulfidic Odor
Aquic Moisture Regime		Concretions
Listed on Local Hydric So	il List	Other
Remarks:		
High charma On A	The leaner ede	
, ,	the state of the s	· · ·
····	<del></del>	Wetland Soils YES NO
TO TOTAL		
HYDROLOGY	Cotambo da Vos	No. / Double Charles Internal
	Saturated? Yes	No Depth of/to Free Water:
Primary Indicators:	Seco	ondary Indicators
Inundated	<del></del>	Oxidized Root Channels in Upper 12"
Saturated in Upper 12"	<del></del>	Water-Stained Leaves
Water Marks/Drift Lines		Local Soil Survey Data
Sediment Deposit		Other
Algal Matting	_	
Drainage Patterns in Wetl	ands	
Remarks:	1	
Very wet but me	astmored	
		^7
		Wetland Hydrology YES (NO)
WETLAND/WATERS DETER	MINATION	
Hydrophytic Vegetation Present?	YesNo_	
Hydric Soils Present?	YesNo	Other Waters.: Yes No
Wetland Hydrology Present?	YesNo_	···
Remarks:		
	•	
appulmuging)	147:6 .	

Project/Site: SRC Milling				Date: May 1, 2003 Sample Point: 217		
Applicant: SRC Milling Investigators: JG/BA	County: Sacramento			State: California		
Quad(s): Cumichael Atypical Situation? Yes (No)	Potential 1	Problem A	rea? Yes	Section 30 Township 8 V I No, Normal Circumstances?		
VEGETATION					(-0)-10	
Dominant Plant Species	% Cover	Status	Non-Do	minant Plant Species , % Cover	Status	
Plagiabellery stip		034	Much	can readant.		
Langue d	20			lu marine	FAC	
			Len	Hodr Inax		
Percentage of dominant species th	at are OBL,	FACW, or F	AC: /00	%		
Remarks:						
				Wetland Vegetation X	ÉS) NO	
		<del></del>		3		
SOILS			, -			
Map Unit Name (Series/Phase):	hiddy	ment of	fore 1 is	andy tran		
	Yes / No	Matrix Co	lor:	Mottle Color:		
Redoximorphic Features:Gleyed or Low Chroma	Colors			Reducing Conditions		
Low Chroma w/ Mottle				Sulfidic Odor		
Aquic Moisture RegimeListed on Local Hydric S	nil Tiet			Concretions Other		
Remarks:			· · · · ·	Outer		
Contracted ad 60	5 "					
				Wetland Soils YES	) NO	
TROPOT OCY					<del></del>	
Inundated? Yes No	Saturated?	Yes	No	Depth of/to Free Water: 6-6	8"	
Primary Indicators:			ndary Ind	icators		
Inundated  Saturated in Upper 12 <sup>n</sup>				zed Root Channels in Upper 12" r-Stained Leaves		
	3			Soil Survey Data		
Sediment Deposit			Other			
Algal Matting	.1. 1					
Drainage Patterns in We Remarks:	Hands	•				
Saturated						
					<i>د</i> ے ۔۔۔	
				Wetland Hydrology	(ES) NO	
WEILAND/WATERS DETE	RMINATIO	ON				
Hydrophytic Vegetation Present?	Yes	No_		CV1 - TAY : 34	NY 4	
Hydric Soils Present? Wetland Hydrology Present?	Yes Yes				No No	
Remarks:	168	140_		· Menuner 169		
Lower udge of su	m-Ce					
1						

Wiles.

(4)40

iliona

Applicant: SRC Milling			Sample Point:	218			
	Cour	ter Comomo	•				
nvestigators: JG/BA	Cour	ty: Sacrame		Section 30 Township EN Range 75			
Quad(s): Caumichne	Detectof	Dualdam Am	_ ~		_***		
Atypical Situation? Yes (No)	rotenuar.	Problem Ar	ear les (10) Normal Circi	mistanices:	(ES) 140		
VEGETATION Dominant Plant Species	% Cover	Status	Non-Dominant Plant Species	% Cover	Status		
Hoden muria	_		Errdin lioter				
Bromus Anderson	70		Lathyren Cucka				
Palencas theren c-m	30		Hole Carrela	<del></del>			
			Leonbran Varet.				
					·		
Percentage of dominant species th	et ere ORT	FACW. or E	AC: 30 %				
) and and and		_					
Subdiminant	2 14.65	ggicod at	apland endicin	•			
			Motland V	egetation YI	IS (NO)		
			Wedaliu V	egetation 11	2 (140)		
SOILS							
Map Unit Name (Series/Phase):	real to	1 1	and the state of the state of				
Map Unit Name (Series/Phase):	2 6000	30,500	CALL MISS IN THE STATE OF THE S				
Mottled? Yes / No Gleyed?	(es //No)	Matrix Col	or. 7.5 YR 3/4 Mottle	Color:			
Redoximorphic Features:		1414111A CO1	, /	. 00101.			
Gleyed or Low Chroma	Colors		Reducing Condition	าร			
Low Chroma w/ Mottles			Sulfidic Odor				
Aquic Moisture Regime			Concretions				
	ail Tick		Other				
Listed on Local Hydric Se	on rust		Otter				
Remarks:							
High chema							
•					_		
			1 1 -		$\triangle$		
······································		<u></u>	Wetland S	oils YES	NO		
HYDROLOGY			Wetland S	oils YES	NO		
	Saturated?	Yes_	Wetland S  _No  Depth of/to Free W		NO		
Inundated? Yes No 🗸	Saturated?		_No_ ✓_ Depth of/to Free W		NO		
Inundated? Yes No 🗸	Saturated?		_No Depth of/to Free W	ater:	NO		
Inundated? YesNo/ Primary Indicators:Inundated	Saturated?		_No_	ater:	NO		
Inundated? YesNo/ Primary Indicators:InundatedSaturated in Upper 12"			_No_vDepth of/to Free W ndary Indicators _Oxidized Root Channels in _Water-Stained Leaves	ater:	NO		
Inundated? YesNo/ Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift Lines			_NoDepth of/to Free W ndary Indicators _Oxidized Root Channels in I _Water-Stained Leaves _Local Soil Survey Data	ater:	NO		
Inundated? YesNo  Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift LinesSediment Deposit			_No_vDepth of/to Free W ndary Indicators _Oxidized Root Channels in _Water-Stained Leaves	ater:	NO		
Inundated? YesNo   Primary Indicators:Inundated  Inundated in Upper 12"Notes Marks/Drift Lines   Sediment DepositAlgal Matting			_NoDepth of/to Free W ndary Indicators _Oxidized Root Channels in I _Water-Stained Leaves _Local Soil Survey Data	ater:	NO		
Inundated? YesNo Primary Indicators:	lands	Secon	_No_	ater:	NO		
Inundated? Yes No Verimary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands	Secon	_No_	ater:	NO		
Inundated? YesNo/ Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift LinesSediment DepositAlgal MattingDrainage Patterns in Wet	lands	Secon	_No_	ater:	NO		
Inundated? YesNo Primary Indicators:	lands	Secon	_No_	ater:	NO		
Inundated? YesNo Primary Indicators:	lands	Secon	_No_	ater: Upper 12"			
Inundated? YesNo Primary Indicators:	lands	Secon	_No_	ater:			
Inundated? YesNo	lands	Secon	_No_	ater: Upper 12"			
Inundated? YesNo Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift LinesSediment DepositAlgal MattingDrainage Patterns in Wet Remarks:	lands	Secon	_No Depth of/to Free W ndary Indicators Oxidized Root Channels in I Water-Stained Leaves Local Soil Survey Data Other  Wetland F	ater: Upper 12"			
Inundated? YesNo Primary Indicators:InundatedSaturated in Upper 12"Water Marks/ Drift LinesSediment DepositAlgal MattingDrainage Patterns in Wet Remarks:	lands  MINATIC Yes	Secon	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther	ater: Upper 12"	es (No)		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet Remarks:  No My driff 1" Street WHILAND/WATERS DETER Hydrophytic Vegetation Present?	lands  MINATIC  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		
Inundated? YesNo Primary Indicators:	lands  MINATIC Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther	ater: Upper 12" Iydrology Yi	es (No)		
Primary Indicators:  Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet Remarks:  No hay de elegant WHILAND/WATERS DETER Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	lands  PMINATIO  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		
Inundated? YesNo Primary Indicators:	lands  PMINATIO  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		
Inundated? YesNo Primary Indicators:	lands  PMINATIO  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		
Inundated? YesNo	lands  PMINATIO  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		
Inundated? YesNo Primary Indicators:	lands  PMINATIO  Yes  Yes	Secon  No No No	No Depth of/to Free W ndary IndicatorsOxidized Root Channels in IWater-Stained LeavesLocal Soil Survey DataOther  Wetland F	ater: Upper 12" Iydrology Yi	es (NO)		

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Chumiched Atypical Situation? Yes No	County: Sacram Potential Problem A	Date: May !, Sample Point: ento State: California Section 30 Towns rea? Yes No Normal Circum	hip 8 / Range 78
VEGETATION	·	<u> </u>	
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species	% Cover Status
Les team tonax.	20 -	Briga ming	FALW-
Hoden marine	20 FAI.	Holica ste	
Percentage of dominant species the	at are OBL, FACW, or I	PAC: 30 %	
	4.870	Wetland Ve	getation YES NO
SOILS			
Map Unit Name (Series/Phase):	Fidderment fo	ne sander loan	
Gleyed or Low Chroma CLow Chroma w/ MottlesAquic Moisture RegimeListed on Local Hydric So	colors oil List	Reducing Conditions Sulfidic Odor Concretions Other  in Add high, but Wetland So	·
HYDROLOGY			
	Saturated? Yes	No Depth of/to Free Wat	ter:
Primary Indicators:	Seco	ondary Indicators	
Inundated		Oxidized Root Channels in U	pper 12"
Saturated in Upper 12"		Water-Stained Leaves	
Water Marks/Drift Lines		Local Soil Survey Data	
Sediment Deposit		Other	
Algal Matting			
Drainage Patterns in Wet	lands		
Remarks:	even below	14-16"	
Very shellow ou	ale-		atatan war sal
		vveuand H	ydrology YES NO
WEILAND/WATERS DETER	MINATION		<u> </u>
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:			YesNoYesNo
Upland swale V		,	

Albania.

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Carrich Milling Atypical Situation? Yes No	County: Sacramento Potential Problem Area? Yes			Date: Mag !/ Sample Point: State: California Section ? O Town No Normal Circu	220 nship <i>8</i> V Ra	
VEGETATION	~ ~	Out		·	N C	Chatan
Dominant Plant Species	% Cover	Status FACU	_	ominant Plant Species	% Cover	Status
Kromus hojdercen	56	<u> </u>	1	can pholocea		
Trofolin histor	20	,,,,,	ten	tidon terax		
Tusfelm dubin	20_	TACU		<del></del>	-	
			-3			
Percentage of dominant species the	nat are OBL, I	ACW, or F.	AC: //	%		
Remarks:		4.	-			
No indicatre.	of the top	7				$\sim$
1				Wetland V	egetation YE	s ∧√o)
Laurence Control of the Control of t						<del></del>
SOILS						
Map Unit Name (Series/Phase):	Pad Pole	di Di	Adio	Cossialax		
			•	corrept to = 10	IMA	us fair t
Mottled? Yes / No Gleyed? Redoximorphic Features:	Yes / No	Matrix Col	lor: 10	YR 3/4 Mottle	Color: Win	which mother
Gleyed or Low Chroma	Colors			Reducing Condition	ns	
Low Chroma w/ Mottle	3			Sulfidic Odor		
Aquic Moisture Regime				Concretions		
Listed on Local Hydric 5	oil List			Other		
Chenna is high.						$\sim$
				Wetland S	cils YES	(NO)
HYDROLOGY			BT- 1	Doub of the Erro IAT	aham	
Inundated? YesNo/	_Saturated?		_No_L ndary Inc		ater:	
Primary Indicators: Inundated		3600		ized Root Channels in 1	Upper 12"	
Saturated in Upper 12"		<del></del>		r-Stained Leaves		
Water Marks/Drift Line	S		Loca	l Soil Survey Data		
Sediment Deposit			Othe	r		
Algal Matting						
Drainage Patterns in We	tlands					
Remarks:						
No hydrology.						
						• •
				Wetland F	Hydrology Yl	es (NO)
WETLAND/WATERS DETE	RMINATIO	N				
Hydrophytic Vegetation Present?	Yes		<u></u>			
Hydric Soils Present?	Yes			Other Waters.:		No
Wetland Hydrology Present? Remarks:	Yes	No_		. Wetland:	YesI	No
antide y por	1 sdgu	<i>r</i> .				

(minute)

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): [armichmol Atypical Situation? Yes No)	•	: Sacramento oblem Area? Ye	Date: M4ケリー Sample Point: State: California Section 70 Townses Mo) Normal Circus	221 ship3N Ra	
VEGETATION					
Dominant Plant Species	% Cover S		Dominant Plant Species	% Cover	Status OBL
bilicera occid.	30	OPIL PL	siobrthy stip		OBL
Ramarcalia Image	30 -	orr			
Percentage of dominant species the Remarks:			20 %		
The infection and			Wetland Ve	getation YE	s) no
SOILS					
Map Unit Name (Series/Phase):	Red Blug	41 - Reddir	, complex		· · · · · · · · · · · · · · · · · · ·
Redoximorphic Features:Gleyed or Low ChromaLow Chroma w/ MottleAquic Moisture RegimeListed on Local Hydric S Remarks:	5		Reducing Condition Sulfidic Odor Concretions Other  Wetland So	$\sim$	) ио
HYDROLOGY					=
Inundated? Yes No No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting Drainage Patterns in We Remarks:	tlends	Secondary I Ox We	idized Root Channels in U Iter-Stained Leaves cal Soil Survey Data		<i>j</i> <sup>2</sup> )
			Wetland H	ydrology YE	NO NO
WETLAND/WATERS DETE	RMINATION				
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks: Edge of pool		No No No No	Other Waters.; \ Wetland:	YesN YesN	Vo Vo
1					

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA. Quad(s): Carmichael Atypical Situation? Yes No VEGETATION	County: Sac		Date: Sample Point: State: California Section 30 Township BN Range 75 No Normal Circumstances? Yes No			
Dominant Plant Species	% Cover Statu	s Non-Do	minant Plant Species	% Cover	Status	
Horden marina			. /4/.		FAC	
Dumus hodeace	_20		you biscia			
Trifalm dubin	30 FAI					
			ntrds tank			
Percentage of dominant species the Remarks: Subdiring on to			•			
			Wetland V	egetation YI	s (NO)	
SOILS						
Map Unit Name (Series/Phase):	Red Bluff-	Redding	complex.			
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(Marie)

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				erum caput-medusae_			
		<del></del>	Vicia villos	sa	5	— <del>-</del> -	
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SOILS			<del></del>				
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Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Duff Lo Could Atypical Situation? Yes No	, 	y: Sacramo Problem Ai		Date: May 20, 2003 Sample Point: State: California Section 30 Town No Normal Circuit	<u> </u>	
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Remarks: Marginal Sub	Lominas	to pu	sseat.	acide or do		
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WETLAND/WATERS DETER	MINATIO	N				
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Surale, mo ted	r bank	. La	cks	veg.		

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Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Puffels Curk Atypical Situation? Yes No	County: Sacramento  Potential Problem Area? Yes			Date: May 20, 2003 Sample Point:				
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Goden marine	30	FAC	Erod	1 /				
*			hom	4 hordercu		TACAL-		
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				Wetland V	egetation Y	ES (NO)		
SOILS								
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				Wetland F	Iydrology Y	res (NO)		
WETLAND/WATERS DETE Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:  Vpland Awale. A	Ye Ye Ye	sNo sNo sNo	len.	Other Waters,: Wetland:		No V No V		

Project/Site: SRC Milling Applicant: SRC Milling			Sample Point:	705	
Investigators: JG/BA Quad(s): Puffalo Crule	*	Sacramento	State: California Section 30 Town No Normal Circuit		
Atypical Situation? Yes No	Potential Proc	lem Area? Yes(	No Normal Circu	Itistatices:	105 110
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		. /	ens butonin		FACW
		- hnn	um hordeacen		FACU-
		Int	shin sutt.		
Percentage of dominant species th	nat are OBL, FAC		<i>y</i> %		
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po-12-0, 7 cm			717 .1 137	60	10 July 20
			Wetland Vo	egetation (YI	S NO
SOILS			3		
Map Unit Name (Series/Phase):	Fiddym	ent fine i	sandy loan	4	
Aquic Moisture RegimeListed on Local Hydric S Remarks: Funky bror chron		z mattl	Other , , , , Wetland So	nile VES	7 NO
			yyetianu St	5115	, NO
HYDROLOGY Inundated? Yes No	Saturated? Yes	No V	Depth of/to Free Wa	ator:	
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Algal Matting Drainage Patterns in We Remarks: SWAL. MAS  WETLAND/WATERS DETE Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	RMINATION  Yes Yes Yes	NoNoNo	Other Waters.:	Yes	No

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# WETLAND DELINEATION FOR THE ±800-ACRE SRC MILLING PROPERTY

## **INTRODUCTION**

North Fork Associates conducted a wetland delineation of the ±800-acre SRC Milling Company property located in southern Sacramento County, California. The rendering plant is located southwest of the intersection of Sunrise and Kiefer Boulevards. The Folsom South Canal borders the eastern boundary and a portion of Eagle's Nest Road forms the western boundary. The property is located in portions of Sections 19, 24, 25, and 30 in Township 8 north and Ranges 6 and 7 east on the Carmichael, CA and Buffalo Creek, CA 7 ½ minute USGS quadrangles. The latitude and longitude of the approximate center of the site are 38.52005° north and 121.25515° west.

The property is in the gently rolling to almost flat portion of the southern and eastern Sacramento Valley at elevations between 125 and 150 feet above sea level. Past disking and other surface disturbances are discernable on the aerials, but are less obvious on the ground. The rendering plant occupies approximately 800 acres, most of which is developed or highly manipulated for industrial uses. Two main drainageways flowing to the west and southwest occur on portions of the site. Surrounding land uses are almost entirely agriculture, primarily cattle grazing. The former Mather Air Force Base is located north of Kiefer Boulevard.

Directions: From Sacramento, take US50 east. Take the Howe Avenue exit, and turn right onto Howe Avenue. Turn left onto Folsom Boulevard and then right onto Jackson Boulevard. In about nine miles turn left onto Sunrise Boulevard and then left onto Kiefer Boulevard. The study area is located approximately 0.5 mile on Kiefer Boulevard. The site is accessed through the Sacramento Rendering Company located at 11350 Kiefer Boulevard.

## **CONTACT INFORMATION**

Property Owner: SRC Milling Company 11350 Kiefer Boulevard Sacramento, CA 95830 Phone: (916) 363-4821 Fax: (916) 363-8641

Contact: Mr. Michael Koewler

Delineator:

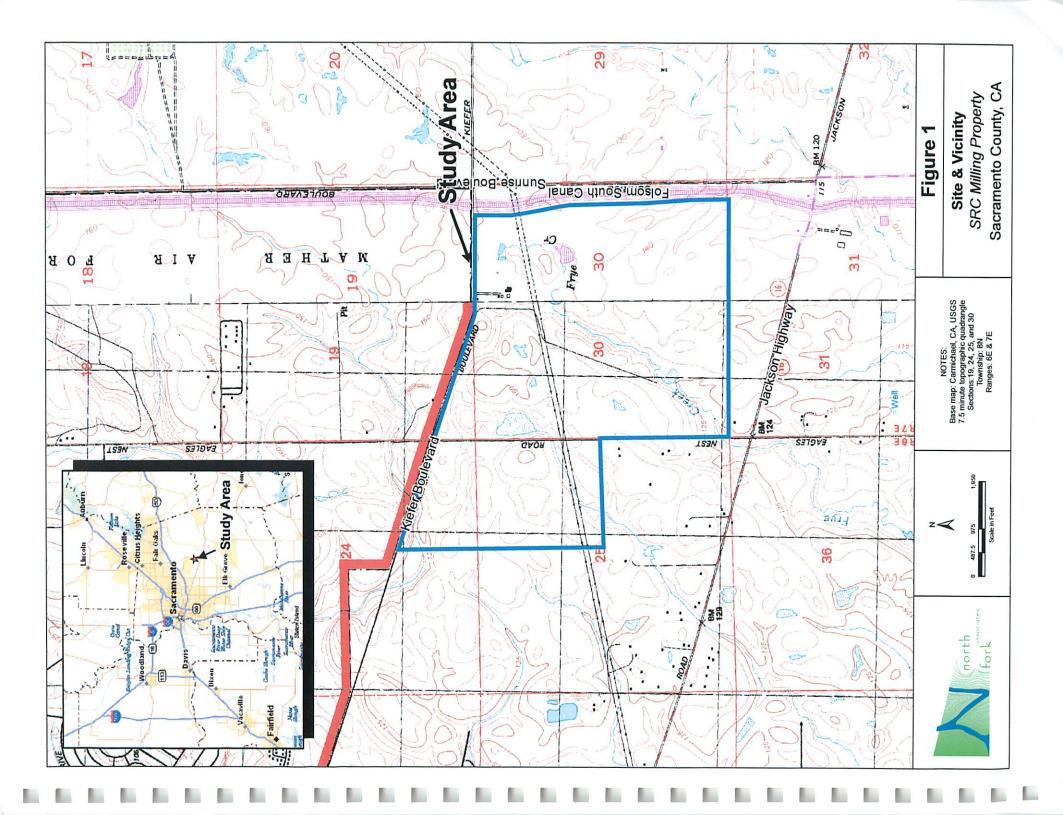
North Fork Associates 110 Maple Street Auburn, California 95603

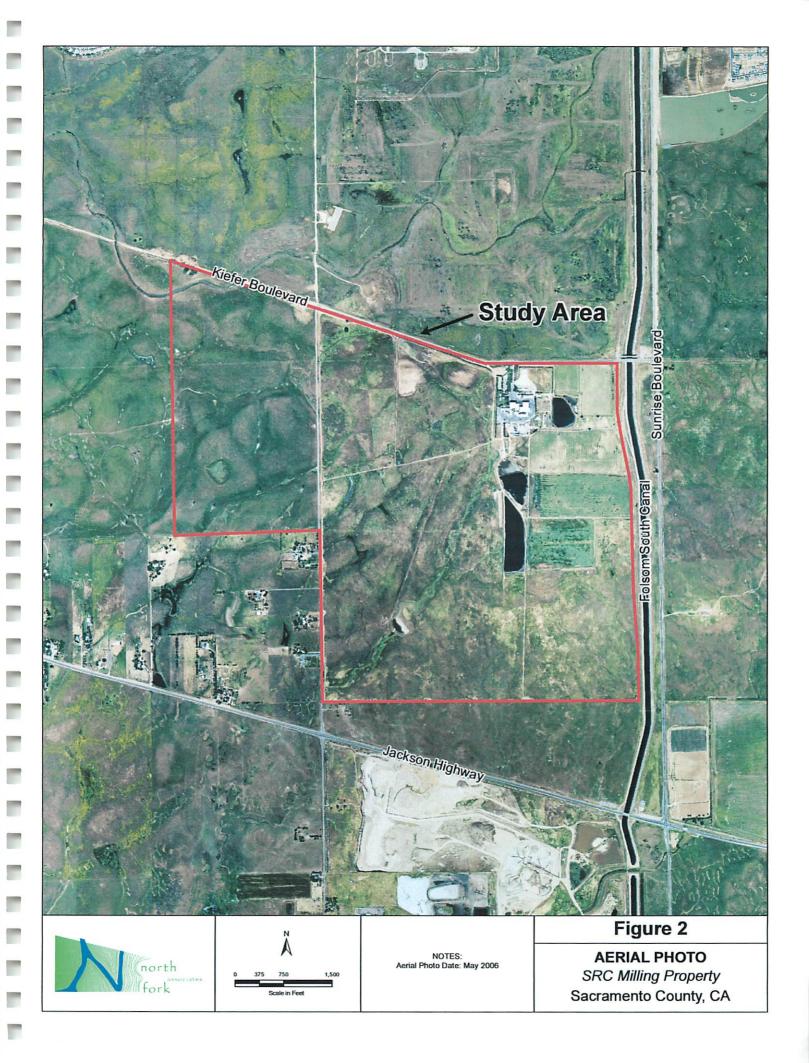
Phone: (530) 887-8500 Fax: (530) 887-1250

Contact: Jeff Glazner or Pat Britton

#### **METHODOLOGY**

While conducting the delineation, North Fork Associates biologists reviewed aerial photos, topographic maps, and other information about the SRC property. Several aerials were used, during the delineation, including those taken on April 1998, January 2003, March 2003, April 2003, August 2005, and May 2006. R.E.Y. Engineers provided a topographic map with one-foot contours as a CAD file. Soils information was taken from the *Soil Survey of Sacramento County*, *California* (USDA 1993).





Preliminary site visit was made to the site in January 2003. Subsequent delineation surveys took place on March 27, April 9, April 14, April 22, May 1, May 20, and June 17, 2003. Spring rains caused many of the pools to retain water until very late into the spring, thereby making it relatively easy to determine the edge of most wetlands.

The wetland delineation was submitted to the Corps in 2003 and the verification process began in November 2003. The project went on hold and the verification process suspended. The project reactivated in 2008 and we conducted two days (October 13, and 14 2008) of field checking and adjusting the 2003 wetland delineation.

Jeff Glazner, Barry Anderson, and Pat Britton were the primary investigators. The delineation was initially conducted only according to the 1987 Corps of Engineers Wetland Delineation Manual (Environmental Laboratory 1987), however, the field work conducted in 2008 took into account the Arid West Regional Supplement (U.S. Army Corps of Engineers 2006). We dug over 60 pits to examine soil characteristics that were used to refine wetland edges. At 46 sampling points we recorded information about vegetation, soils, and hydrology (wetland data sheets are located in Appendix A). The locations of data points, waters of the United States, and other features were recorded with a Trimble GeoXT and GeoXH global positioning system (GPS) with sub-meter accuracy. All features determined to be waters of the United States were mapped using the GPS. Where possible, a Polaris six wheel all terrain vehicle was used to expedite data gathering. The vehicle was not used for small wetlands. Because of continuous cattle grazing on the site, data points were not marked with pin flags, nor were the wetlands outlined with flags. The data points as shown on the wetland delineation map are not strictly sequential. Instead, each series represents a different survey date.

Common plant names are used in this document. Appendix B provides a list of plants observed during the delineation, along with the scientific name and wetland status of each species. Scientific names follow The Jepson Manual (Hickman 1993), as updated by the Jepson Interchange, an online database maintained by the University of California and Jepson Herbaria. The wetland status for species observed was taken from Reed (1988).

The GPS data were corrected in the office using the nearest available base station. R.E.Y Engineers supplied a topographic map, which was combined with a May 2006 aerial photograph in ArcGIS to create the wetland delineation map in Appendix C. Appendix D contains a CD ROM with the electronic files in ArcView shape format.

## **RESULTS**

### Climate

The Natural Resources Conservation Service (NRCS) weather station located closest to the site is in the city of Sacramento (WETS Station: Sacramento WSC City, CA7633). Data from this station is presented here as a reasonable approximation of climate conditions at the site (SRC Milling is slightly higher in elevation).

The mean annual air temperature at the NRCS station in Sacramento is 63.23°F and the growing season is typically year-round. Mean annual precipitation (29-year period of record) is 19.59 inches, with most falling as rain between the months of November and April.

#### Soils

Seven soil units have been mapped on the study site (Figure 3):

- Fiddyment fine sandy loam, 1 to 8 percent slopes;
- Hedge loam, 0 to 2 percent slopes;
- Red Bluff loam, 0 to 2 percent slopes, and 2 to 5 percent slopes;
- Red Bluff-Redding complex, 0 to 5 percent slopes;
- Red Bluff-Xerarents complex, 0 to 2 percent slopes; and
- Redding gravelly loam, 0 to 8 percent slopes.

All soils mapped on the site are Alfisols, which are well developed soil with more clay in the B horizon than in the A horizon. Besides having a dense clay layer, the Fiddyment, Hedge, and Redding soils have a duripan at varying depths. Red Bluff soils are relatively deep and lack both a dense clay layer and a duripan.

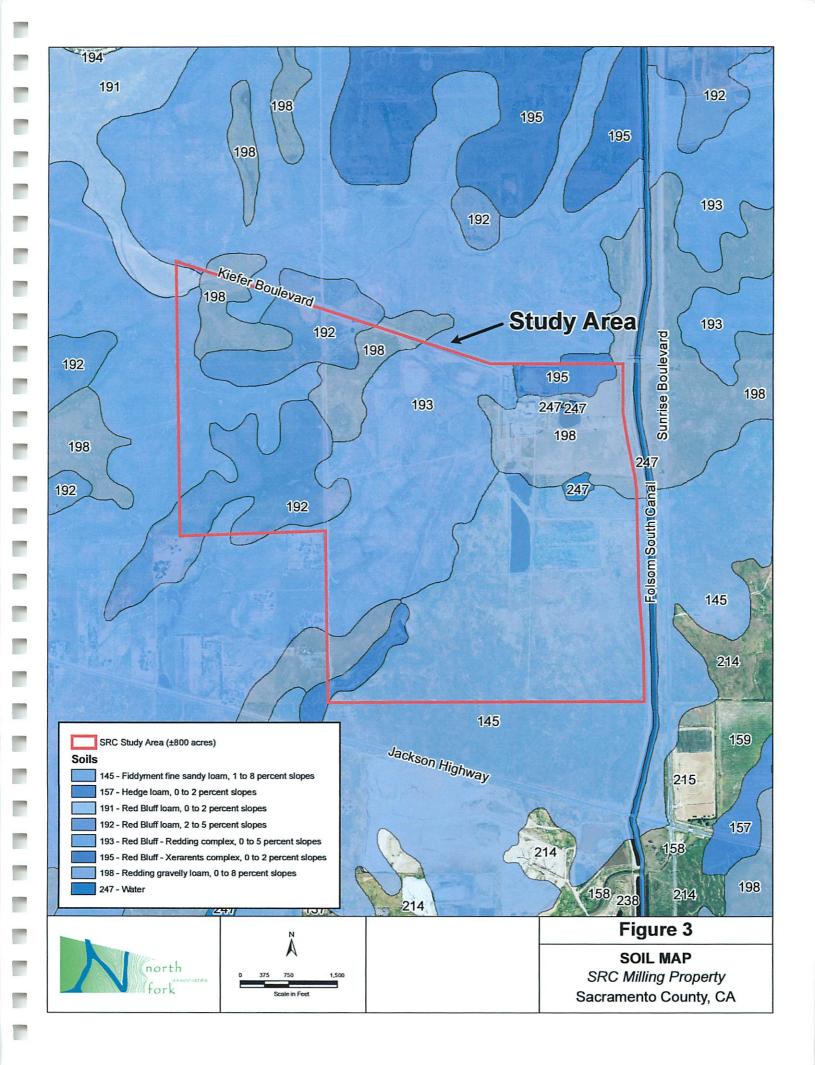
Fiddyment soils occur in the southeastern portion of the property to the east of Frye Creek. Hedge soils occur in the lower Frye Creek drainage and appear to occupy the creek channel. The rendering plant was built on the Red Bluff-Xerarents complex. The remainder of the site consists of Red Bluff and Redding soils. Red Bluff soils are relatively well drained and generally are upland areas without wetlands. Vernal pools, swales, and other wetlands occur primarily on the areas where the Redding soils predominate.

## Hydrology

The 800-acre property encompasses several watersheds. The eastern portion drains directly into Laguna Creek east of Sunrise Boulevard. The northwest corner drains into the Morrison Creek tributary. The portion of the property along Eagle's Nest Road drains to a tributary of Elder Creek, which is a tributary of Morrison Creek. Most of the central portion of the property is drained by a drainage feature referred to as Frye Creek. The historical headwaters of Frye Creek appears to be near the intersection of Sunrise and Kiefer Boulevards but now appears to be inside the Rendering Plant complex. Our analysis of this drainage and the review of older photos indicate this feature is not a creek but a vegetated swale. After our 2008 analysis of the system, we are characterizing this drainage as a wetland swale. This drainage flows through a 24" culvert under Eagles Nest Road and is a tributary of Laguna Creek, which flows into Morrison Creek. Morrison Creek flows s southwest to the Beach-Stone Lakes area south of Sacramento.

The Morrison Creek tributary and the Frye Creek drainage appear as blueline streams on the USGS topographic maps. Both carry winter/spring flows but are dry when the rain stops and temperatures increase. The Morrison tributary is incised and has a coarse gravel to cobble bottom and floodplain.

Vernal pools, swales, and seasonal wetlands occur scattered throughout the property. Some pools are deep and in some years hold water into the early summer. Others are relatively shallow and are likely dry by late-April or May during a year with normal rainfall. Seasonal wetlands that do not function as either pools or swales also occur on the site. They are more typically found along fence and property lines where water flow has been disrupted by cultural or other land use activities.



Two swale types are present: upland swales and wetland swales. Upland swales may carry water during rainy periods, but the soil in these swales is deep enough to allow rapid percolation or lateral water flow. They are usually dominated by species from the surrounding grassland. Wetland swales are associated with larger pool watersheds and support a number of wetland species, primarily grasses, but also including species typically found in vernal pools.

## Vegetation

Most of the property is annual grassland used for livestock grazing. The upland flora varies widely, perhaps because of soil differences. The southeast portion is dominated by ruderal grasses and vetch. Ripgut brome (*Bromus diandrus*) and foxtail barley (*Hordeum murinum*) are particularly common and abundant grasses. By late spring, much of this area was covered with vetch (*Vicia villosa*). The western areas are on a different soil type and the flora is much less ruderal. Native bulbs are also common on this portion of the property. By summer, areas with more clay and poorer drainage are dominated by tarweed (*Holocarpha virgata*) and spikeweed (*Centromadia fitchii*). The 200 acres west of Eagles Nest Road appears less disturbed than the rest of the site, and has been, perhaps, less affected by intensive grazing. The area supports a higher percentage of native species, although the dominants are still introduced grasses.

Vernal pools, swales, and seasonal wetlands are embedded in the annual grassland over much of the property. The differences between the various wetlands are often subtle and are discussed in the section Waters of the United States.

Aside from landscaping around the rendering plant, very little woody vegetation occurs on the property. A row of eucalyptus trees has been planted along Kiefer Boulevard. Small clusters of walnuts (Juglans sp.) and locust (Robinia pseudoacacia) grow at several locations. Neither creek supports riparian vegetation. No woody species are present in the Morrison Creek tributary or the Frye Creek drainage.

The northeast portion of the property is used to discharge wastewater from the rendering plant. As a result of irrigation, these areas support permanent pasture consisting of perennial pasture grasses and forbs that are used for year-round grazing.

## WATERS OF THE UNITED STATES

Six categories of waters of the United States have been mapped on the site: vernal pool, seasonal wetland, wetland swale, ephemeral stream, intermittent stream, and pond. Table 1 is an acreage summary of the various types.

Table 1
Waters of the United States

Туре	Acreage
Wetlands:	
Vernal Pool	10.97
Seasonal Wetland	4.63
Wetland Swale	4.46
Wetland Subtotal	20.06
Other Waters	
Ephemeral Stream	0.09
Intermittent Stream	0.96

Type	Acreage
Pond	0.66
Other Waters Subtotal	1.71
Total Waters of the U.S.	21.77

## Vernal Pool

Vernal pools are depressional wetlands that support a mostly native flora. They fill with winter/spring rainfall and remain inundated for longer periods than the surrounding upland due to an impermeable or semi-permeable hardpan or duripan subsurface layer (Figure 4 and 5b). These wetlands have a distinct flora composed primarily of native species adapted to alternating periods of inundation and desiccation. The vernal pool wetland type supports a variety of typical species, including popcornflower (*Plagiobothrys stipitatus* and *P. greenei*), downingia (*Downingia bicornuta* and *D. ornatissima*), buttercup (*Ranunculus bonariensis trisepalus*), and annual hairgrass (*Deschampsia danthonioides*). Deeper pools have spikerush (*Eleocharis macrostachya*), aquatic buttercup (*Ranunculus aquatilis*), and water starwort (*Callitriche marginata*) and more abundant coyote thistle (*Eryngium vaseyi*).

Vernal pools are distributed throughout the site, except for the southeast corner. Many of the deepest pools occur on the relatively flat ridge between the Frye Creek drainage and Eagle's Nest Road (VP-62, VP-64, and VP-116 are good examples). In addition, vernal pools occur predominately on the Redding soils and the Red Bluff-Redding complex.

## Seasonal Wetland

Seasonal wetlands form in very shallow depressions (Figure 5a) or as fringe wetlands along creeks. There is overlap in the characteristics of shallow vernal pools and shallow seasonal wetlands, so that it is sometimes difficult to distinguish between them. Seasonal wetlands often have a mix of vernal pool species and FAC and FACW species such as curly dock (*Rumex crispus*), Mediterranean barley (*Hordeum marinum*), and ryegrass (*Lolium multiflorum*). They tend to form in swales that have been converted to wetlands by impeding the flow of water in the swale. Several small seasonal wetlands occur along the southern property boundary.

The large seasonal wetland (SW-05 along Eagle's Nest Road) is the result of altered drainage (probably longer than fifteen years ago). USGS maps show this area to be a large temporary impoundment that before to 1980 may have been a large vernal pool or pond (USGS maps usually do not recognize small vernal pools). At one time, excess water from this area flowed southwest into the Elder Creek tributary. Today, however, SW-05 has been drained into a culvert under Eagle's Nest Road and the excess water flows northwest through swales and basins to the Morrison tributary. This seasonal wetland usually has a few inches of standing water during the rainy season, and it supports species indicative of vernal pools.

### Wetland Swale

The wetland swale typically occurs in undulating topographic lows on gently sloping land. Because the swales slope, water in them typically flows rather than stands during rainy periods. Water flows are not of sufficient duration or intensity to create scour marks in swales and thus, the swale are vegetated. On the SRC property, swales often connect depressional features that function like vernal pools except that water usually flows through them during rainy periods (Figure 6a). Although swales and basins share some of the same species, the overall floras of



4a. Vernal pool 62 looking northeast.



4b. Vernal pool 62 looking north northeast.

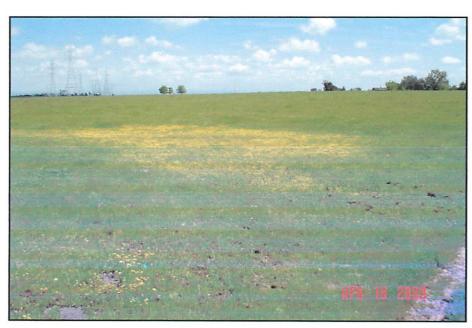


# Figure 4

SITE PHOTOS SRC Milling Property Sacramento County, California



5a. Seasonal wetland #11 in southeast corner of site.



5b. Shallow vernal pool.

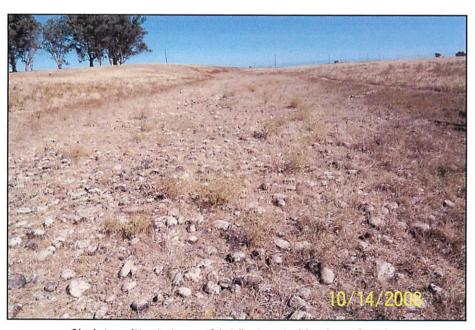


Figure 5

SITE PHOTOS SRC Milling Property Sacramento County, California



6a. Vernal pool embedded within wetland swale.



6b. Intermittent stream 01, tributary to Morrison Creek.



# Figure 6

SITE PHOTOS SRC Milling Property Sacramento County, California the two are somewhat different. Because the basins are often inundated deeper and longer, they usually have OBL and strong FACW species, whereas the swales often lack OBL species and are dominated by weaker FACW and FAC species.

A lengthy wetland swale system flows north to southwest across the property and has been labeled on the USGS map as Frye Creek, although it is mostly vegetated with wetland plant species and lacks a rocky bottom and an incised channel.

## **Ephemeral Stream**

Ephemeral streams have more-or-less continuous scour marks that locate the ordinary high water mark. Only a single ephemeral stream was mapped within the study area. Ephemeral streams flow during periods of rainfall, but usually do not flow for more than a few days once the rainfall has ended. These streams lack seeps or other groundwater discharges and are generally unvegetated (Figure 7a).

#### **Intermittent Stream**

Only a single intermittent stream was mapped on the site, the Morrison Creek (Figure 6b) tributary. It did not have water in it past late-April or early-May. The Morrison tributary is formed on Red Bluff soils, which are derived from alluvium. The topsoil and finer alluvial material have been removed leaving the exposed cobble creek bed. The flora of the Morrison tributary primarily is composed of vernal pool species. By June, the dominant species along much of the tributary is the perennial wetland tarweed (*Holozonia filipes*).

## **Pond**

The large stock pond on Frye Creek (Figure 7b) was created decades ago to provide late spring water for cattle. The pond is notched and the maximum depth is approximately two feet. The notch is the spillway. In June 2003, much of the pond edge was dominated by sand spurrey (*Spergularia rubra*), swamp grass (*Crypsis schoenoides*), pigweed (*Amaranthus* sp.), knotweed (*Polygonum arenastrum*), and dove weed (*Croton setigerus*). Many of these species were also observed during October 2008.

## **OTHER FEATURES**

## **Industrial Ponds**

Several industrial ponds are located directly adjacent to the Sacramento Rendering Company Plant and are associated with its industrial use. These ponds function as evaporation ponds as well as catch basins, in case of spills and/or necessity to quickly drain equipment. These features are completely managed and were built to support the rendering facility.



7a. Ephemeral stream 01 - tributary to Morrison Creek.



7b. Pond 01 along wetland swale 26.



### Figure 7

SITE PHOTOS SRC Milling Property Sacramento County, California

# APPENDIX A Field Data Sheets

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Project/Site: SRC Milling			Date: April 9	, 2003	
Applicant: SRC Milling			Sample Point:		
Investigators: JG/BA	County:	Sacramento	State: California		
Quad(s): Carmichael			Section 30 Tow		
Atypical Situation? Yes (No)	Potential Pro	blem Area? Yes	(No) Normal Circ	umstances?	Yes No
VEGETATION					
Dominant Plant Species			minant Plant Species	% Cover	Status
Wifelum Ulm tim	<u>vo</u> _	- Medi	cago polyno	με.!. ·	
Tri shin out	20_	- En	low to trage		
Hontodo talexiera			a mus or		
Vulpia bromorda	20 E	ACIN	, 		
Percentage of dominant species the	nat are OBL, FA	CW, or FAC: 25	%		
Romanice					:
Nort specie sug	gust upla	nd condition	プレ レー		
1			Wetland \	Vegetation Y	es 1900)
· · · · · · · · · · · · · · · · · · ·		<del></del>			
SOILS					· · · · · · · · · · · · · · · · · · ·
Map Unit Name (Series/Phase):	Redding	graveily bro	· -		
Mottled? Yes / No Gleyed?	Yes / Ño M	Satrix Color: 57	スラ/4 Mottl	e Color:	R 4/6
Redoximorphic Features:			•	1	arge, many
Gleyed or Low Chroma			Reducing Condition	ns	,
Low Chroma w/ Mottle	8		Sulfidic Odor		
Aquic Moisture Regime			Concretions		
Listed on Local Hydric 9	oil List	. //	Other		
Remarks Loamy. Budn	chaf 4-1	(p°			
1					$C_{2}$
			Wetland 9	Soils YES	(NO)
HYDROLOGY					
Inundated? Yes No V	Saturated? Yes	No ~	_ Depth of/to Free W	later:	<del></del>
Primary Indicators:		Secondary Ind			
Inundated			zed Root Channels in	Upper 12"	
Saturated in Upper 12"		Wate	r-Stained Leaves		
Water Marks/Drift Lines	3	Local	Soil Survey Data		
Sediment Deposit		Othe	•		
Algal Matting					
Drainage Patterns in We	tlands				
Remarks:	1./ a and	<i>'</i> .			
Slight slope above	the Til	•			
			TAP11		THE ATO
			vvetiand	Hydrology Y	مع (۱۷۷)
WEILAND/WATERS DETE	RMINATION				
		NT- ·			
Hydrophytic Vegetation Present?	Yes	No			
Hydric Soils Present?	Yes	No²	Other Waters	: Yes	No
Hydric Soils Present? Wetland Hydrology Present?			Other Waters. Wetland:	Yes	No V No V
Hydric Soils Present? Wetland Hydrology Present? Remarks:	Yes Yes	No v		: YesYes	No No
Hydric Soils Present? Wetland Hydrology Present?	Yes Yes	No v		: Yes Yes	No V No V
Hydric Soils Present? Wetland Hydrology Present? Remarks:	Yes Yes	No v		: Yes Yes	No No

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Nigoro, N

Project/Site: SRC Milling		Date: April 9, 2003
Applicant: SRC Milling		Sample Point: 102
Investigators: JG/BA	County: Sacramer	nto State: California
Quad(s):	·	Section Township Range
Atypical Situation? Yes No	Potential Problem Are	a? Yes No Normal Circumstances? Yes No
VEGETATION		
Dominant Plant Species	% Cover Status	Non-Pominant Plant Species , % Cover Status
Kanyer culus Von ausun	60 050	Eleochian marint OBL
Lin tran far axiona	20	Unknown
Jameus trustomiles	10 FACW	
•		
-		
Percentage of dominant species tha Remarks:	t are OBL, FACW, or FA	C: /00 %
		Wetland Vegetation (YES)NO
SOILS		
Map Unit Name (Series/Phase):	Redding graves	les bram
Mottled? (Yes) / No Gleyed? (Yes)	èg/No Matrix Colo	or: 5YR 3/4 Mottle Color: for in dealing to
Redoximorphic Features:	<b>)</b>	or: 5YR 3/4 Mottle Color: fine, indistinct  Reducing Conditions black concretion.
Gleyed or Low Chroma C	DIOFA	Sulfidic Odor
Low Chroma w/ Mottles		Concretions
Aquic Moisture Regime	al Timb	Other
Listed on Local Hydric So		Outer
Remarks: Loung, some of	ay	
Glegidat 10-12". 10		Wetland Soils (FS) NO
HYDROLOGY		
	Saturated? Yes	No V Depth of/to Free Water:
Primary Indicators:		dary Indicators
Inundated		Oxidized Root Channels in Upper 12"
Saturated in Upper 12"		Water-Stained Leaves
Water Marks/Drift Lines		Local Soil Survey Data
Sediment Deposit		Other
Algal Matting		
Drainage Patterns in Wet	ands	
Remarks: Onthe sage of pro	4.	
, , ,		
		Wetland Hydrology (YES) NO
WEILAND/WATERS DETER	MINATION	
Hydrophytic Vegetation Present?	Yes No_	
Hydric Soils Present?	YesNo_	Other Waters.: YesNo/
Wetland Hydrology Present? Remarks:	Yes No_	Wetland: YesNo
Edge of proli		
0 '		

0.000

Project/Site: SRC Milling Applicant: SRC Milling			Date: April 9 3		
Investigators: JG/BA	County: Sacram		State: California		
Quad(s): Camichul	County: Oucline	iciiio	Section 30 Towns	ship∂√ Ra	ange 76
Atypical Situation? Yes No	Potential Problem A	rea? Yes (Ñ			
			<i>y</i>		9
VEGETATION			. 51 . 6	~ ~	
Dominant Plant Species	% Cover Status	Non-Domi	nant Plant Species	% Cover	Status のカレ
Rammalin bonarin				<del></del>	
Lionnanthe drug.	10 OBL	Bryng	way sp.		FALW-OBL
Electrisis macis					FACIU
		_1	ha fra.		FACIN
		V			OBL
	<del></del>	I A HA PIA	he mugicate	·	0110
Percentage of dominant species the	at are OBL, FACW, or I	FAC: /00 %			
All species are	indication.				
	•				
		<del></del>	Wetland Ve	getation YE	s) NO
SOILS					
Map Unit Name (Series/Phase):	Redding gra				
Mottled? Yes / No Gleyed? Redoximorphic Features:	Yes / No Matrix Co	olor: 7.5	(K3/3) Mottle	Color: UM	ics.
Gleyed or Low Chroma	Colors		Reducing Conditions	3	
Low Chroma w/ Mottle	<del>;</del>		Sulfidic Odor		ļ
Aquic Moisture Regime	4		Concretions		
Listed on Local Hydric S	OII 1718£		Other		
	and The Co	/	ref xt 12-	14"	
Shight gleging in the	property of	injeg. ji			<b>-</b>
			Wetland So	ils YES	NO
TROPOLOGY				_	
HYDROLOGY	Saturated? Yes	No -	Depth of/to Free Wa	tor	
Inundated? Yes No v Primary Indicators:		ondary Indica		<b>ber.</b>	}
Inundated			l Root Channels in U	pper 12"	
Saturated in Upper 12"		Water-St	ained Leaves		
Water Marks/Drift Line	<del></del>		il Survey Data		
Sediment Deposit		Other			
Algal Matting	lando.				
Drainage Patterns in We	•				
Edge of food.	Infuned for	m glegic	daril		
, , ,	•				$\neg$
			Wetland H	ydrology (Y	es) no
WETLAND/WATERS DETE	RMINATION				
Hydrophytic Vegetation Present?		<u> </u>			
Hydric Soils Present?	YesNo		Other Waters.: 1		No
Wetland Hydrology Present?	YesNo_	<u> </u>	. Wetland:	Yes	No
Remarks:					
Edge of shaller	pirel				

**1** 

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Curvichou( Atypical Situation? Yes No	County: Sacram	Section 70 Township BN Range 7E
VEGETATION		
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status
Endun loty	70	Juneus bajforin FACIN
		Tripolin subjection -
		Julpin sp
Percentage of dominant species the Remarks: My in discala	nat are OBL, FACW, or I	FAC: 0 %  Wetland Vegetation YES (NO)
CORC		
SOILS		
Map Unit Name (Series/Phase):	Redding gin	selle, dom
Mottled? Yes / No Gleyed? Redoximorphic Features:     Gleyed or Low Chroma     Low Chroma w/ Mottle     Aquic Moisture Regime     Listed on Local Hydric S Remarks:     // Crck a f / - 2 "  HYDROLOGY  Inundated? Yes No Primary Indicators:     Inundated     Saturated in Upper 12"     Water Marks/Drift Line     Sediment Deposit	Saturated? YesSec.	Reducing Conditions Sulfidic Odor Concretions Other  Wetland Soils YES NO  No Depth of/to Free Water: ondary Indicators Oxidized Root Channels in Upper 12" Water-Stained Leaves Local Soil Survey Data Other
Algal Matting	<u> </u>	<del></del>
Prainage Patterns in We Remarks:  Aus befores two	yarth that h	ear very shallow bedrick.
_		Wetland Hydrology YES (NO)
	773 FT3 7 A 7777 C 3 7	
WEILAND/WATERS DETE		
Hydrophytic Vegetation Present' Hydric Soils Present? Wetland Hydrology Present?	7 YesNo YesNo YesNo	Other Waters.: YesNo
Remarks:  Upland before.	- probe.	

Project/Site: SRC Milling		Date: 4/111 1, 1003
Applicant: SRC Milling		Sample Point: <u>/ 0 5</u>
Investigators: JG/BA	County: Sacrament	to State: California
Quad(s): Carmichael	•	Section 30 Township $\theta N$ Range $7e^{-\theta}$
Atypical Situation? Yes No	Potential Problem Area	? Yes (No Normal Circumstances? Yes) No
VEGETATION		
Dominant Plant Species		Non-Dominant Plant Species % Cover Status
Lanurcula Honar		timmer than dough OBV
toliu multiflor		
bby	30	
Percentage of dominant species the Remarks:	at are OBL, FACW, or FAC	Wetland Vegetation (YES) NO
		Wetiania Vegetation (125) 110
SOILS		
Map Unit Name (Series/Phase):	Redding gunelle	loar.
Map Unit Name (Series/Phase):  Mottled? (e)/No Gleyed?	Van (AT) Matrix Calor	5 YR 3/3 Mottle Color: Indistance
Redoximorphic Features:	Yes / No Matrix Color	Mode Color. Villas / Or Cof-
Gleyed or Low Chroma	Colors	Reducing Conditions
Low Chroma w/ Mottle		Sulfidic Odor
Aquic Moisture Regime		Concretions
Listed on Local Hydric S	oil List	Other
Remarks:		9
12-14" to 1 och	Carda lon.	44
12-14" to wock	vila Erro	Wetland Soils YES NO
HYDROLOGY	20 V-	NoDepth of/to Free Water:
Inundated? YesNo Primary Indicators:		lary Indicators
Inundated	Occord	Oxidized Root Channels in Upper 12"
Saturated in Upper 12"		Water-Stained Leaves
Water Marks/Drift Line	s	Local Soil Survey Data
Sediment Deposit	<del></del>	_Other
Algal Matting		
Drainage Patterns in We	tlands	
Remarks:		
Edge of wetland		•
		, t
		Wetland Hydrology (YES) NO
WETLAND/WATERS DETE		
Hydrophytic Vegetation Present		2 Other Waters.: Yes No
Hydric Soils Present? Wetland Hydrology Present?	Yes V No	2 Other Waters.: Yes No No No
	169110	
Remarks:		
Remarks:		
Remarks: Manginal		
1		

Project/Site: SRC Milling		Date: April 7, 2003	
Applicant: SRC Milling		Sample Point: / / // /	
Investigators: JG/BA	County: Sacran		
Quad(s):			Range
Atypical Situation? Yes No	Potential Problem A	rea? Yes No Normal Circumstances?	Yes No
VEGETATION			
Dominant Plant Species,	% Cover Status	Non-Dominant Plant Species % Cover	Status
mitalin suttumes		Inlyes sop	
Ersdin botrage	40 -	Jolies multifl.	FAC
		Ceras fin glown	<b>-</b>
		grances bajonsis	FACIN
		- june con a graph has	- 1.211.124
			<del></del>
Percentage of dominant species the Remarks:		/	
idominants are u	plud species		
1	,	Wetland Vegetation	YES (NO)
SOILS	<u></u>		
Map Unit Name (Series/Phase):	Redding gini	elly loan.	
Mottled? Yes / No Gleyed?	Yes / No Matrix Co	olor: Mottle Color:	
Redoximorphic Features:	•		
Gleyed or Low Chroma	Colors	Reducing Conditions	
Low Chroma w/ Mottle	B	Sulfidic Odo <del>r</del>	
Aquic Moisture Regime		Concretions	
Listed on Local Hydric S	ioil List	Other	
Remarks:			:
Krchat 2"			
Jack at		*** -1 10 -1 37	- ×2
<u> </u>		Wetland Soils Y	s mo)
HYDROLOGY			
Inundated? YesNo		NoDepth of/to Free Water:	
Primary Indicators:	Sec	ondary Indicators	
Inundated		Oxidized Root Channels in Upper 12"	
Saturated in Upper 12 <sup>n</sup>		Water-Stained Leaves	
Water Marks/Drift Line	5	Local Soil Survey Data	
Sediment Deposit		Other	
Algal Matting			
Drainage Patterns in We	tlands		
Remarks:	1		
Slope above poss	,		
			( )
		Wetland Hydrology	YES (NO)
TATEFF A RITH WAY A TEMPOR TRUTTED	DMINI ATTONI		
WETLAND/WATERS DETERMINED PROPERTY WETLAND/WATERS DETERMINED TO THE WETLAND WATERS DETERMINED TO THE WATERS DET		<u> </u>	
			37
Hardeia Soile Propost?	Vag No		NO L
Hydric Soils Present?	YesNo		_No_ ∪ No ←
Wetland Hydrology Present?		Wetland: Yes	No U
		<del></del>	
Wetland Hydrology Present? Remarks:	YesNo	<del></del>	
Wetland Hydrology Present? Remarks:	YesNo	<del></del>	
Wetland Hydrology Present?	YesNo	<del></del>	

Applicant: SRC Milling			_	7 79 -1.	1 1 1	
Towns at the target TOTAL	_			Sample Point:	101	<del></del>
Investigators: JG/BA	Coun	ity: Sacram		State: California	1: Q1/ D	7¢
Quad(s): [acrichae]		™ -11 A.		Section 70 Town		
Atypical Situation? Yes No	Potentiau	Problem Ai	rea? Yes No	) Normal Circu	mstances: (	res ino
VEGETATION  Descriptor Plant Species	% Cover	Status	Non-Domin	ant Plant Species	% Cover	Status
Dominant Plant Species Like chare mary heles				La biorom da		OBL_
Plique bo they stipited		ORV	7	n - hymn		FACU
open water	2-6		<u>Vernic</u>	s perizina		OBL
				<u> </u>		
Percentage of dominant species the Remarks:	at are OBL,	FACW, or F	'AC: /00 %			
				Wetland V	egetation (YI	S) NO
SOILS						
Map Unit Name (Series/Phase):	Red Blug	ff-Redde	ing Compl	Ley		
Mottled? Yes / No Gleyed?	Yes / No	Matrix Co	olor:	Mottle	Color:	
Redoximorphic Features:			•	- 1 · · · · · · · · · · · · · · · · · ·		
Gleyed or Low Chroma				Reducing Condition Sulfidic Odor	B	
Low Chroma w/ Mottle	<b>;</b>			Sumaic Odor Concretions		
Aquic Moisture RegimeListed on Local Hydric S	ail Tiet			Other		
	OII Fran			Juei		
Remarks: Inundated						
				Wetland So	oils YES	) ио
						<del>/</del>
TRADOT ACV						
Inundated? Yes V No	Saturated?	Yes	No I	Senth of/to Free We	ater:	
Inundated? YesNo	Saturated?		No Dondary Indicate	Depth of/to Free We	ater:	
	_Saturated?		ondary Indicat			
Inundated? YesNo Primary Indicators:	_Saturated?		ondary Indicat Oxidized Water-Sta	ors Root Channels in U ained Leaves		
Immdated? YesNo Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift Line	-		ondary Indicate Oxidized Water-State Local Soil	ors Root Channels in U		
Immdated? YesNoPrimary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift LinesSediment Deposit	-		ondary Indicat Oxidized Water-Sta	ors Root Channels in U ained Leaves		
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting	<b>-</b>	Seco	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in U ained Leaves I Survey Data	Jpper 12"	
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting	<b>-</b>	Seco	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in U ained Leaves I Survey Data	Jpper 12"	
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in We	<b>-</b>	Seco	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in U ained Leaves I Survey Data	Jpper 12"	
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting	<b>-</b>	Seco	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in I sined Leaves I Survey Data	Jpper 12"	ES )NO
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting Drainage Patterns in We Remarks: 2" Make at	tlands	Secondary print	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in I sined Leaves I Survey Data	Jpper 12"	ES NO
Immdated? Yes No Primary Indicators:	tlands  Annyle	Secondary for the secondary fo	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in I sined Leaves I Survey Data	Jpper 12"	ES NO
Immdated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line: Sediment Deposit Algal Matting Drainage Patterns in We Remarks: 2" Main at  WETLAND/WATERS DETE! Hydrophytic Vegetation Present?	tlands Ample  RMINATIO	Secondary of the second	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in Unined Leaves I Survey Data  Contact of J  Wetland F	Jpper 12"	
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in We Remarks: 2" Water at  WETLAND/WATERS DETE Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	tlands  Aum pla  RMINATIO  Yes	Secondary for the secondary fo	ondary Indicate Oxidized Water-Sta Local Soil Other	ors Root Channels in I sined Leaves I Survey Data	Jpper 12"	No
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in We Remarks: 2" Water at  WETLAND/WATERS DETE Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	tlands  Aum pla  RMINATIO  Yes	Secondary of the second	ondary Indicate Oxidized Water-Sta Local Soil Other	Other Waters.:	Jpper 12"  //  Iydrology (Y	No
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in We Remarks: 2" Water at  WETLAND/WATERS DETE Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	tlands  Aum pla  RMINATIO  Yes	Secondary of the second	ondary Indicate Oxidized Water-Sta Local Soil Other	Other Waters.:	Jpper 12"  //  Iydrology (Y	No

Project/Site: SRC Milling				Date: Nun!		
Applicant: SRC Milling				Sample Point:		
Investigators: JG/BA	Coun	ty: Sacram	ento	State: California		م <b>يد</b> س
Quad(s): Carmichul				Section 30 Town	nship ON Ra	ange 78
Atypical Situation? Yes No	Potential I	Problem A	rea?Yes 🗗	Normal Circ	umstances?	Yes (No)
VEGETATION						
Dominant Plant Species	% Çover	Status	Non-Dom	nant Plant Species	% Cover	Status .
Triplin outlessanen	<u> 80</u>		Julpi	a sign		<u>varier</u>
Briman populacion		EA/11-	Taile	history		-
Millian princer						
			End	e- pring		<del></del>
1						
			<del></del>			<del></del>
						<del></del>
2	CPT	TACTAL1	740.000			
Percentage of dominant species the	nat are Obl.,	racvy, or	HAC: 60 %	•		
Remarks:						
Į.						^
				Wetland V	Vegetation YI	S (NO)
<u> </u>				1 V OLUMINA	7 0 10 10 10 10 10 10 10 10 10 10 10 10 1	(210/
SOILS						
	2. d D./.	11 0.1	de - coa	an leas		
Map Unit Name (Series/Phase):	KLO TILL	yg- min	arry un	gacy	م <u>-</u> -	in t in distinct
Mottled? Yes / No Gleyed?	Yes / No	Matrix Co	olor: 5YA	3/u Mottl	le Color: (F-1	un of industrict
Redoximorphic Features:				` '/		
Gleyed or Low Chroma	Colors			Reducing Condition	ons	
Low Chroma w/ Mottle				Sulfidic Ödor		
Aquic Moisture Regime				Concretions		
Listed on Local Hydric S				Other		
Remarks						
Buyen lown . His	h chris	na.				
, ,						
				Wetland 9	Soils YES	(NO)
TIMDROT OCY						
HYDROLOGY Inundated? Yes No	Saturated?	Von	NT /	Double of the Erro M	Votom	
Inundated? Yes No V Primary Indicators:			No/ ondary Indica	Depth of/to Free W	vater.	
Inundated		360		d Root Channels in	TTomos 101	
Saturated in Upper 12"		•		tained Leaves	Opper 12	
Saturated in Opper 12Water Marks/Drift Line	ie.			oil Survey Data		
Sediment Deposit	.5		Other	mon vey bata		
Algal Matting						
Drainage Patterns in We	atlands					
77		•				
Ho hydriligy in	man ed	54 6 91	rl			
1	17 - 1	6 /	·			
				Wetland	Hydrology Y	es (NG)
	<del></del>	· · · · · · · · · · · · · · · · · · ·				<u> </u>
WEILAND/WATERS DETE	RMINATIC	IN				
WEILAND/WATERS DETE						
Hydrophytic Vegetation Present	? Yes	No		Other Waters	• Van	No. Ic
Hydrophytic Vegetation Present? Hydric Soils Present?	Yes Yes	No		Other Waters.		No
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	? Yes	No		Other Waters. Wetland:	: Yes	No / No /
Hydrophytic Vegetation Present? Hydric Soils Present?	Yes Yes	No				No No
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	? Yes Yes Yes	No				No No
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	? Yes Yes Yes	No				No/_ No/_
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	? Yes Yes Yes	No				No_ /_ No_ /_
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	? Yes Yes Yes	No				No/_ No/_

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): ('umichal Atypical Situation? Yes No		nty: Sacram Problem A	Date: May 1, 203  Sample Point:
VEGETATION			
Dominant Plant Species	% Cover 40	Status ————————————————————————————————————	Non-Dominant Plant Species % Cover Status  byly cens occiderly OBL
Elescharin m.	20	OBL	
Lasthenia zlakenia	20	OBL	
Manuscales tonories	<u> 20</u>	OBL	
Percentage of dominant species the Remarks: All Apricia and			
SOILS			
Map Unit Name (Series/Phase):	Red Blu	4 - Redo	die constat
Gleyed or Low Chroma Low Chroma w/ Mottle Aquic Moisture Regime Listed on Local Hydric S Remarks: Jn wnd x /e d	8		Reducing ConditionsSulfidic OdorConcretionsOther
İ			Wetland Soils (YES) NO
HYDROLOGY		. <u></u>	
Inundated? YesNo	_Saturated?		NoDepth of/to Free Water: ろっしゃ
Primary Indicators:  V Inundated		Sect	Oxidized Root Channels in Upper 12"
Saturated in Upper 12"			Water-Stained Leaves
Water Marks/Drift Line	S		Local Soil Survey Data
Sediment Deposit Algal Matting			Other
Drainage Patterns in We	tlands		
Portions of the good	are day	u.	
			Wetland Hydrology (YES) NO
TATETT A NITH SALATED C THEFT	D ATRI A TITA	ONT	
WETLAND/WATERS DETER Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks:	Ye Ye	sNo_	o Other Waters.: YesNo
Decy runal port	<b>'</b> .		

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Applicant: SRC Milling				ie: May 1, 2		
			_	nple Point:	104	
Investigators: JG/BA	Cour	ity: Sacrame	ento Sta	te: California		an an
Quad(s): Carmichael			Se	ction 30 Town	ship 🗸 $\sim$ Ra	inge 72
Atypical Situation? Yes No	Potential	Problem Ar	ea? Yes 🕅	Normal Circu	mstances?	res No
VEGETATION						
Dominant Plant Species	% Cover	Status	Non-Dominan	t Plant Species	% Cover	Status
Trifelin chiston	60		Vicia Will	70		
Dimus ho deacen	40	FACU-	End un 1	to kins u		
		<del> </del>				
Percentage of dominant species ti	not are ORI	EACM of H	AC. Ø %			•
Percentage of dominant species to		FACYV, OF F	MC /2/ /A			
Remarks: Nom an indi	CARICA					
						<i>C</i> >
			·-····	Wetland Ve	getation YE	S(NO)
COT C						
SOILS	5 . 0 /					
Map Unit Name (Series/Phase):	RIA M	yy-Red	dury tim	rpley		
Mottled? Yes / No Gleyed?	Yes/(No)	Matrix Col	or: 104R 31	4 Mottle	Color:	
Redoximorphic Features:Gleyed or Low Chroma	Colore		Por	lucing Condition	0	
Low Chroma w/ Mottle				fidic Odor	ь	
Aquic Moisture Regime	9			ncretions		
Listed on Local Hydric S	oil List		Oti			
Remarks		•				
Thir, rocky. 14m	d man	at 4-	6". ILich	che on		
, , , , , , , , , , , , , , , , , , , ,	•		7			23
				Wetland Sc	ils YES	(NO)
						<u> </u>
HYDROLOGY					-, .	
HYDROLOGY Inundated? Yes No ✓	_Saturated?	Yes	No V Der	th of/to Free Wa		
	Saturated		_No Dep	th of/to Free Wa		
Inundated? YesNo/ Primary Indicators:Inundated	Saturated		ndary Indicators Oxidized Ro	oot Channels in U	ter:	
Inundated? YesNo Primary Indicators:InundatedSaturated in Upper 12"	_		ndary Indicators	oot Channels in U	ter:	
Inundated? YesNo/ Primary Indicators:Inundated	_		ndary Indicators Oxidized Ro	oot Channels in U ed Leaves	ter:	
Inundated? YesNo Primary Indicators:InundatedSaturated in Upper 12"	_		ndary Indicators Oxidized Ro Water-Stain	oot Channels in U ed Leaves	ter:	
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12 <sup>a</sup> Water Marks/Drift Line Sediment Deposit Algal Matting	<b>5</b>		ndary Indicators Oxidized Ro Water-Stain Local Soil S	oot Channels in U ed Leaves	ter:	
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12 <sup>a</sup> Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	<b>5</b>		ndary Indicators Oxidized Ro Water-Stain Local Soil S	oot Channels in U ed Leaves	ter:	
Inundated? YesNoNo	s tlands	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves	ter:	
Inundated? YesNoNo	s tlands	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves	ter:	
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12 <sup>a</sup> Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s tlands	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves urvey Data	ter: Ipper 12"	rs xso)
Inundated? YesNoNo	s tlands	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves urvey Data	ter:	es 160)
Inundated? YesNoNo	stlands	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves urvey Data	ter: Ipper 12"	es <u>(</u> NO)
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12* Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We Remarks:  We hydred 59, lep	tlands  pur .ed G.  RMINATIO	Secondary Secondary	ndary IndicatorsOxidized RoWater-StainLocal Soil SoOther	oot Channels in U ed Leaves urvey Data	ter: Ipper 12"	es (No)
Inundated? Yes No Primary Indicators:	tlands  pur .ed G.  RMINATIO	Secondary Second	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in U ed Leaves urvey Data	ter: Jpper 12" ydrology Yl	es (NO)
Inundated? Yes No Primary Indicators:	tlands  pur .ed G	Secon	ndary Indicators Oxidized Ro Water-Stain Local Soil So Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	
Inundated? Yes No Primary Indicators:	tlands  run .ed G	Secondary DN  No No No No No	ndary Indicators Oxidized Ro Water-Stain Local Soil S Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	ν <sub>ο_ υ</sub>
Inundated? Yes No Primary Indicators:	tlands  run .ed G	Secondary DN  No No No No No	ndary Indicators Oxidized Ro Water-Stain Local Soil S Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	ν <sub>ο_ υ</sub>
Inundated? Yes No Primary Indicators:	tlands  run .ed G	Secondary DN  No No No No No	ndary Indicators Oxidized Ro Water-Stain Local Soil S Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	ν <sub>ο_ υ</sub>
Inundated? Yes No Primary Indicators:	tlands  run .ed G	Secondary DN  No No No No No	ndary Indicators Oxidized Ro Water-Stain Local Soil S Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	ν <sub>ο_ υ</sub>
Inundated? Yes No Primary Indicators:	tlands  run .ed G	Secondary DN  No No No No No	ndary Indicators Oxidized Ro Water-Stain Local Soil S Other	oot Channels in Used Leaves urvey Data  Wetland H  Other Waters.:	ter:  Jpper 12"  ydrology Yl	ν <sub>ο_ υ</sub>

Applicant: SRC Milling			Date: May 20, 20	0 4 1	
11			Sample Point:	306	<del></del>
Investigators: JG/BA	County	: Sacramento	State: California		
Quad(s): Buffalo Creek	_		Section 30 Tow	nship $\theta N$	Range 75
Atypical Situation? Yes No	Potential Pr	oblem Area?	Yes No) Normal Circi	ımstances?	Yes) No
VEGETATION				•	
Dominant Plant Species	% Cover	Status No	a-Dominant Plant Species	% Cover	Status
Tunia there c-m	60		ufoli dubar		FAZU
1 - Z	30		<i>"</i>		FAC
Infolio his			order marine	<u> </u>	<del>-77.0</del>
l		<u> </u>	athern encen		
				<del></del>	<del></del>
Percentage of dominant species th	uat are OBL, FA	ACW, or FAC:	D %		
Remarks: No in dicato	_				
IN WOMENT	- Fich	-			
					- 6.
			Wetland V	egetation Y	35 (NO)
SOILS					
		. / 0	and to be a		
Map Unit Name (Series/Phase):	inddym	ent gune	paray car		
36-11-123/ / 163 Clamed 2:	V (AG)	Matrix Color:	1 < VK 3/1, Mott	e Color:	
Mottled? Yes / No Gleyed?	Tes / INO	Mana Color.	1.3 11. 19 WINTE	e Coloi.	
Redoximorphic Features:	Calaur		Reducing Conditio	ne	
Gleyed or Low Chroma		-	Sulfidic Odor	110	
Low Chroma w/ Mottle	8		Concretions		
Aquic Moisture Regime	· _ :1 T : _ t	-	Other		
Listed on Local Hydric S	OII LIST	_	Other		
Remarks:	<i>i</i> .				
Above much top ?	znychica	lly			
' ' '	•	U	Wetland 9	ioils YES	NO)
HYDROLOGY					
Inundated? Yes No	_Saturated? Y			ater:	
Inundated? Yes No Primary Indicators:	_Saturated? Y	Secondar	/ Indicators		
Imundated? YesNo Primary Indicators: Inundated	_Saturated? Y	Secondar	y Indicators Oxidized Root Channels in		
Inundated? YesNo Primary Indicators:InundatedSaturated in Upper 12"	_	Secondary	y Indicators Oxidized Root Channels in Vater-Stained Leaves		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line	_	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit	_	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting	s	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s Hands	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s Hands	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s Hands	Secondar ( I	y Indicators Oxidized Root Channels in Vater-Stained Leaves Local Soil Survey Data		
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s Hands	Secondar ( I	y Indicators  Dxidized Root Channels in  Water-Stained Leaves  Local Soil Survey Data  Other	Upper 12"	
Inundated? Yes No Primary Indicators: Inundated Saturated in Upper 12" Water Marks/Drift Line Sediment Deposit Algal Matting Drainage Patterns in We	s Hands	Secondar ( I	y Indicators  Dxidized Root Channels in  Water-Stained Leaves  Local Soil Survey Data  Other		es No
Inundated? Yes No Primary Indicators:	s etlands 	Secondar ( V	y Indicators  Dxidized Root Channels in  Water-Stained Leaves  Local Soil Survey Data  Other	Upper 12"	es No
Immdated? Yes No Primary Indicators:	s etlands - 4 RMINATIO	Secondar I (	y Indicators  Dxidized Root Channels in  Water-Stained Leaves  Local Soil Survey Data  Other	Upper 12"	es No
Immdated? Yes No Primary Indicators:	s etlands - 4 RMINATION Yes_	Secondary C	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland	Upper 12" Hydrology	
Inundated? Yes No Primary Indicators:	s etlands - 4 RMINATIOI Yes_ Yes_ Yes_	Secondary  I I I I I I I I I I I I I I I I I I	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	
Inundated? Yes No Primary Indicators:	s etlands - 4 RMINATION Yes_	Secondary C	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland	Upper 12" Hydrology	
Inundated? Yes No Primary Indicators:	setlands	Secondary  No No No No	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	
Inundated? Yes No Primary Indicators:	setlands	Secondary  No No No No	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	
Inundated? Yes No Primary Indicators:	setlands	Secondary  No No No No	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	
Inundated? Yes No Primary Indicators:	setlands	Secondary  No No No No	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	
Immdated? Yes No Primary Indicators:	setlands	Secondary  No No No No	y Indicators Oxidized Root Channels in Water-Stained Leaves Local Soil Survey Data Other  Wetland  Other Waters	Upper 12"  Hydrology \	

Applicant: SRC Milling		Date: May 20, 2003	
		Sample Point: 307	<u> </u>
Investigators: JG/BA	County: Sacrame	ento State: California	
Quad(s): Buffalo Cruk		Section 30 Township 9N	Range 18
Atypical Situation? Yes No I	otential Problem Ar	ea? Yes (No Normal Circumstances?	Yes) No
VEGETATION			
	% Cover Status	Non-Dominant Plant Species % Cover	Status
Horderm marine -			
Volum maltiflon	30 FAC	Leatedo tarak	
		Trifolin glomeratur	
	-		
ļ			
Percentage of dominant species that	are OBL, FACW, or F.	AC: / / / 0 %	
Remarks:			}
h d'ann a f			
Kingeral veg.		Wetland Vegetation XI	ON (F
	<u> </u>	venand vegetation (11	<i>b)</i> 110
SOILS			
Map Unit Name (Series/Phase):			
1 -		lor: 7.5 Y/ 3/3 Mottle Color: On an	
Mottled? Yes No Gleyed? Ye	s / No Matrix Col	lor: 7.5 Y/ 7/7 Mottle Color: In an  Reducing Conditions	sur. Icu,
Redoximorphic Features:Gleyed or Low Chroma Co	olore	Reducing Conditions	file F.
Low Chroma w/ Mottles	1018	Sulfidic Odor	1
Aquic Moisture Regime		Concretions	
Listed on Local Hydric Soi	l List	Other	
Remarks:			
Marginal			
20.750		Wetland Soils YES	NO)
HYDROLOGY	10.1/	D. d. Ch. E. M	
	Saturated? Yes	No Depth of/to Free Water: ndary Indicators	
Primary Indicators: Inundated	<b>5600</b>	Oxidized Root Channels in Upper 12"	
Saturated in Upper 12"		Water-Stained Leaves	
		Local Soil Survey Data	
Water Marks/Drift Lines			
Water Marks/Drift Lines Sediment Deposit		Other	
Sediment Deposit Algal Matting	<del></del>	Other	
Sediment Deposit Algal Matting Drainage Patterns in Wetle	 nnds	Other	
Sediment DepositAlgal MattingDrainage Patterns in Wetls Remarks:			
Sediment Deposit Algal Matting Drainage Patterns in Wetle			
Sediment DepositAlgal MattingDrainage Patterns in Wetls Remarks:		¬√ .	(->
Sediment DepositAlgal MattingDrainage Patterns in Wetls Remarks:			es (NO)
Sediment Deposit Algal Matting Drainage Patterns in Wetla Remarks:  Uplus d swall.	No indicati	¬√ .	es (NO)
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  Uplus d swall.  WETLAND/WATERS DETER	No indicate  MINATION	¬√ .	es (NO)
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  Whis d wall.  WETLAND/WATERS DETER  Hydrophytic Vegetation Present?	MINATION  Yes V No	Wetland Hydrology Y	
Sediment Deposit Algal Matting Drainage Patterns in Wetla Remarks:  WPLAND/WATERS DETER  Hydrophytic Vegetation Present?  Hydric Soils Present?	MINATION  Yes No	Wetland Hydrology Y  Other Waters.: Yes	No No
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  Whis d wall.  WETLAND/WATERS DETER  Hydrophytic Vegetation Present?	MINATION  Yes No	Wetland Hydrology Y  Other Waters.: Yes	.No
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  WETLAND/WATERS DETER  Hydrophytic Vegetation Present?  Hydric Soils Present?  Wetland Hydrology Present?  Remarks:	MINATION  Yes No	Wetland Hydrology Y  Other Waters.: Yes	.No
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  WETLAND/WATERS DETER  Hydrophytic Vegetation Present?  Hydric Soils Present?  Wetland Hydrology Present?  Remarks:	MINATION  Yes No	Wetland Hydrology Y  Other Waters.: Yes	.No
Sediment Deposit Algal Matting Drainage Patterns in Wetle Remarks:  WETLAND/WATERS DETER!  Hydrophytic Vegetation Present?  Hydric Soils Present?  Wetland Hydrology Present?	MINATION  Yes No	Wetland Hydrology Y  Other Waters.: Yes	.No

Project/Site: SRC Milling			Date: May 20, 2003	
Applicant: SRC Milling			Sample Point: 308	
Investigators: JG/BA		ity: Sacram	ento State: California	
Quad(s): Buffalo Creek			Section 30 Township 8N	
Atypical Situation? Yes No	Potential.	Problem A	rea? Yes (Nd Normal Circumstances?	Yes No
VEGETATION	0.0		N. D. in Black Co. in M. C.	. Chahara
Dominant Plant Species	% Cover 40	Status FAL	Non-Dominant Plant Species % Cover	Status
Whin multill.	40	FAC	Eleochasin maco	OBL_
Bbs	10		Teanen there om	
1707			La Maria Carra	
		<del></del>	Trifolini kis to	
			IN FURNITURE	
Percentage of dominant species the Remarks:	nat are OBL,	FACW, or I	AC:/80 %	
	1			
Veg is margina			a	(20) 370
			Wetland Vegetation	YES) NO
SOILS				
Map Unit Name (Series/Phase):			olor: 7.5 YR 3/3 Mottle Color: 0	YR 4/4
	Yes / No	Matrix Co	olor: 1.5 7 73 Mottle Color: (1)	range, many
Redoximorphic Features:  Gleyed or Low Chroma	Colore		Reducing Conditions	<b>'</b>
Low Chroma w/ Mottle			Sulfidic Odor	
Aquic Moisture Regime	-		Concretions	
Listed on Local Hydric S	oil List		Other	
Remarks;	1	,	1.1.1	
Remarks: Let violy low or	mon a,	ntrong	mrru	_
				ÉS) NO
Inundated? Yes No	Saturated	Vac	No Depth of/to Free Water:	
Inundated? YesNoNoNo	Zaimaleui		ondary Indicators	
Inundated			Oxidized Root Channels in Upper 12"	
Saturated in Upper 12 <sup>th</sup>			Water-Stained Leaves	
Water Marks/Drift Line	8		Local Soil Survey Data	
Sediment Deposit			Other	
Algal Matting	.1 1.			
Drainage Patterns in We			_	
No string in	dient	n. 1	lancinal	
No sping w		, , ,		
			Wetland Hydrology	MES) NO
			Weddin II at ology	
WEILAND/WATERS DETE	RMINATI	ON		
Hydrophytic Vegetation Present				
Hydric Soils Present?	Ye			_No
Wetland Hydrology Present? Remarks:	Ye	sNo	Wetland: Yes	No
Probably the	rudia 1	e das		
hvery or all	we ca			
i				

Project/Site: SRC Milling			Date: May 20, 2003	
Applicant: SRC Milling	_	_	Sample Point: 309	
Investigators: JG/BA	Cour	ity: Sacrame		_
Quad(s):				Range
Atypical Situation? Yes No	Potential .	Problem Ar	ea? Yes No Normal Circumstances?	Yes No
VEGETATION				
Dominant Plant Species	% Cover	Status	Non-Dominant Plant Species % Cover	Status
Elercharis macro.	30	OBL	Fythrum hayong.	FACW
Polypran mon	30	FALW+	Crarrale a quate.	<u>0BL</u>
		<del></del>	Plasiabeten stij	OBL
			Neschampsind.	FACW
			from produce	FACU-
Percentage of dominant species the Remarks:  Shown gen week floor			AC: 10-0 %  Wetland Vegetation (Y	ES NO
SOILS				-
	7.11	4	in a son doe doseron	
Map Unit Name (Series/Phase):	maags	men y	ma, who say	
Mottled? Yes / No Gleyed? Redoximerphic Features: Gleyed or Low Chroma	Yes / No Colors	Matrix Col	lor: 7.5 Y R 3/3 Mottle Color: 5	78 7/6
Low Chroma w/ Mottle			Sulfidic Odor	
Aquic Moisture Regime			Concretions	
Listed on Local Hydric S	Soil List		Other	
Remarks:				
Grany mostles	•			
			Wetland Soils YE	ON (
				<i></i>
HYDROLOGY				
	_Saturated?		No Depth of/to Free Water:	
Primary Indicators:		Seco	ndary Indicators	•
Inundated			Oxidized Root Channels in Upper 12" Water-Stained Leaves	
Saturated in Upper 12"	_		vvaler-stattled LeavesLocal Soil Survey Data	
Water Marks/Drift Line	8		Other	
Sediment Deposit Algal Matting				
Drainage Patterns in We	etlands			
Remarks:				
Algal com				
lacing opposit				
			YAY 41 - 1771	ES NO
		·	Wetland Hydrology	IES) NO
WETLAND/WATERS DETE	RMINATIO	ON		
Hydrophytic Vegetation Present				
Hydric Soils Present?	Ye		Other Waters.: Yes	No
Wetland Hydrology Present?	Ye			_No
Remarks:				
Tronger reg th	m 30	B. Du	eper in the basin.	
1				
1				

Applicant: SRC Milling Applicant: SRC Milling Investigators: JG/PB Quad(s): Carmichael	Cour	nty: Sacrar		0	. D (1	_
Atypical Situation? Yes No	Potential 1	Problem A	Section <b>24</b> To Area? Yes Normal Circu	ownship 8N mstances?(Y		<u> </u>
VEGETATION		· · ·			·····	
Dominant Plant Species <u>Leontodon taraxacoides</u>	% Cover 30	Status	Non-Dominant Plant Species Trifolium hirtum	% Cover 5	Status	
Hordeum marinum	40	FAC				
			Lolium multiflorum	10	?	
		•	Vulpia sp	5	_FAC*_	
Percentage of dominant species th Remarks: Weedy mostly upland flora.	at are OBL,	FACW, or l		/egetation YE	rs NO	
COTA		<u> </u>	yvenanu v	egetation 11	25 (19	
SOILS Map Unit Name (Series/Phase): F				·		
Mottled Yes / No Gleyed? Redoximorphic Features:Gleyed or Low Chroma CLow Chroma w/ MottlesAquic Moisture RegimeListed on Local Hydric Sc Remarks:	Colors		Color:7.5 YR 3/3 Mottl  Reducing Conditio Sulfidic Odor Concretions Other  Wetland S		(N))	
HYDROLOGY						
Inundated? YesNo√_ Primary Indicators:InundatedSaturated in Upper 12"Water Marks/ Drift LinesSediment DepositAlgal MattingDrainage Patterns in Wet Remarks: Lacks evidence of prolonged satur	lands		No√Depth of/to Free Woondary IndicatorsOxidized Root Channels in Water-Stained LeavesLocal Soil Survey DataOther			
			Wetland I	Hydrology Yl	es (NO	
WETLAND/WATERS DETER	MINATIC	N				
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present? Remarks: Marginal area. Abundant facultat	Yes Yes Yes	sNo sNo sNo	Other Waters.:  Metland:		No√ No√	

Money

Applicant: SRC Milling Investigators: IGBA Quad(s): County: Sacramento State: California Section 24 Township Bil Range & State: California Section	Project/Site: SRC Milling			Date: May 20, 2003	
Quad(s): Carriched Application? Yes No Potential Problem Area? Yes (No Normal Circumstances? Yes No VSGETATION)  Dominant Fiant Species	Applicant: SRC Milling	<b>C</b>	C	Sample Point: 3/2	
Asyptical Situation? Yes No Potential Problem Area? Yes (No) Normal Circumstances? (Ses) No VRGETATION  Donainant Plant Species	_ , ,	Coun	ty: Sacran		Range 1/5
VECETATION Dominant Plant Species		Potential F	Problem A	rea? Yes No. Normal Circumstances?	Yes No
Dominant Plant Species % Cover Status Spatial Landeler in Spatial	• •	I Otelium I	. IODICII: 13	ica. 100 (10) 11012aa Cacaaabaances.	
Planted Mark 20 - Reciebbag stip 586 - Selected Market Sol 50 - Reciebbag stip 586 - Selected Market Sol 50 - Reciebbag stip 586 - Selected Market Sol 50 - Recentage of dominant species that are OBL, FACW, or FAC 50 % Remarks:  Sub domain and story and center of the Market Sol 50 % Remarks:  Sub domain and story and center of the Market Sol 50 % Remarks:  Sub domain and story and center of the Market Sol 50 % Matrix Color: To 5 M 30 Mottle Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black the Color: Gray black that the Color Sol 50 Matrix Color: To 5 M 30 Mottle Color: Gray black the Color: Gra		% Cover	Status	Non-Dominant Plant Species % Cover	
Hodge Marine Color Percentage of dominant species that are OBL, FACW, or FAC 50 %  Remarks:  Sul doma are stry in dictor.  Wetland Vegetation (B) NO  SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex  Mottlediffs / No Gleyed? Yes / No  Redocimon pine Features:  Gleyed or Low Chroma Colors  Low Chroma w/ Mottles  Aquic Moisture Regime  Listed on Local Hydric Soil List  Remarks:  Primary Indicators:  Other  Wetland Soils (ES) NO  HYDROLOGY  Inundated  Saturated in Upper 12"  Water Marks/Drift Lines  Secondary Indicators  Oxidized Root Channels in Upper 12"  Water Marks/Drift Lines  Sediment Deposit  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Deputer of the Wetland Hydrology YES NO  Wetland Hydrology YES NO  Wetland Hydrology Present?  Yes No  Wetland:		20			OBL
Percentage of dominant species that are OEL, FACW, or FAC 50 %  Remarks:  Sul dima are story in dientry.  Wetland Vegetation (BB) NO  SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex  Mottled? Yes / No Gleyed? Yes / Ro)  Matrix Color: 7.5 YR 3/2 Mottle Color: With the treet  Gleyed or Low Chroma Colors  Low Chroma w/ Mottles  Sulfidic Odor  Aquic Moisture Regime  Listed on Local Hydric Soil List  Remarks:  Primary Indicators:  Inundated  Saturated in Upper 12"  Water Marks/Drift Lines  Sediment Deposit  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Defining in Mottle Series  Sediment Deposit  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Wetland Hydrology YES NO  Wetland Hydrology Present?  Yes No  Wetland: Yes No	Untodo trux.	20			OBL.
Percentage of dominant species that are OEL, FACW, or FAC 50 %  Remarks:  Subdiminant species that are OEL, FACW, or FAC 50 %  Remarks:  Subdiminant species that are OEL, FACW, or FAC 50 %  Remarks:  Map Unit Name (Series/Phase): Red Buff - Redding Complex  Mottled? (No Cleyed? Yes / Klo)  Matrix Color: 7.5 YR 3/2 Mottle Color: by us, black Redoximorphic Features:  Gleyed or Low Chroma Colors  Listed on Local Hydric Soil List  Remarks:  Sulfidic Odor  Concretions  Listed on Local Hydric Soil List  Remarks:  HYDROLOGY  Inundated? Yes No Depth of to Free Water:  Primary Indicators:  Inundated? Yes No Depth of to Free Water:  Primary Indicators:  Secondary Indicators:  Ovidized Root Channels in Upper 12"  Water Marks/ Drift Lines  Sediment Deposit  Algal Matting  Drainage Patterns in Wedlands  Remarks:  Wetland Hydrology YES NO  Wetland Hydrology YES NO  Wetland Hydrology YES NO  Wetland: Yes No Wetland: Yes Yes No Wetland: Yes Yes No Wetland: Yes	Horden marin	50	FAL		
Percentage of dominant species that are OBL, FACW, or FAC 50 %  Remarks:  Sul Anna are Arry in dick from  Wetland Vegetation PBS NO  SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex  Mottled? PS / No Gleyed? Yes / PS Matrix Color: 7.5 YR 3/3 Mottle Color: by any black,  Mottled? PS / No Gleyed? Yes / PS Matrix Color: 7.5 YR 3/3 Mottle Color: by any black,  Redoximorphic Features  Gleyed or Low Chroma w/ Mottles  Low Chroma w/ Mottles  Sulfidic Odor  Aquic Moisture Regime Concretions  Listed on Local Hydric Soil List  Remarks:  Primary Indicators: Secondary Indicators: Oxidized Root Channels in Upper 12"  Water Marks/Drift Lines  Sediment Deposit  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Wetland Hydrology YES NO  Wetland Hydrology YES NO  Wetland Hydrology Present? Yes No Wetland: Yes Yes No Wetland: Yes Yes Yes No Wetland: Yes					OBL
SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex.  Mottled/Ref / No Gleyed? Yes / Ro Matrix Color: 7.5 YR 3/2 Mottle Color: Which fret Lack Concretions Low Chroma Worldes Concretions Listed on Local Hydric Soil List  Remarks:				Ranuncula bon.	OBL
SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex.  Mottled/Ref / No Gleyed? Yes / Ro Matrix Color: 7.5 YR 3/2 Mottle Color: Which fret Lack Concretions Low Chroma Worldes Concretions Listed on Local Hydric Soil List  Remarks:					
SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex  Mottled (Ne) / No Gleyed? Yes / No Matrix Color: 7.5 YR 3/3 Mottle Color: bran, black  Redoximorphic Features:  Gleyed or Low Chroma Colors  Low Chroma w/ Mottles  Aquic Moisture Regime  Concretions  Listed on Local Hydric Soil List  Remarks:  Primary Indicators:  Joundated? Yes No Saturated? Yes No Depth of/to Free Water:  Primary Indicators:  Joundated Of Yes No Saturated? Yes No Secondary Indicators:  Joundated Of Yes No Saturated? Water-Stained Leaves  Setument Deposit Other  Water Marks/Drift Lines  Sediment Deposit Other  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Wetland Flydrology YES NO  WETLAND/WATERS DETERMINATION  Flydrophytic Vegetation Present? Yes No Wetland: Yes	Percentage of dominant species the Remarks:	hat are OBL,	FACW, or	FAC: 50 %	
SOILS  Map Unit Name (Series/Phase): Red Bluff - Redding Complex  Mottled (Ne) / No Gleyed? Yes / No Matrix Color: 7.5 YR 3/3 Mottle Color: bran, black  Redoximorphic Features:  Gleyed or Low Chroma Colors  Low Chroma w/ Mottles  Aquic Moisture Regime  Concretions  Listed on Local Hydric Soil List  Remarks:  Primary Indicators:  Joundated? Yes No Saturated? Yes No Depth of/to Free Water:  Primary Indicators:  Joundated Of Yes No Saturated? Yes No Secondary Indicators:  Joundated Of Yes No Saturated? Water-Stained Leaves  Setument Deposit Other  Water Marks/Drift Lines  Sediment Deposit Other  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Wetland Flydrology YES NO  WETLAND/WATERS DETERMINATION  Flydrophytic Vegetation Present? Yes No Wetland: Yes	Subdoma are n	stong in	dica	ton.	$\sim$
Map Unit Name (Series/Phase): Red Bluff - Redding amplex  Mottled? (Te) / No Gleyed? Yes / Ro  Mottled? (Yes) / No Gleyed? Yes / Ro  Redoximorphic Features:  Gleyed or Low Chroma W Mottles  Low Chroma w Mottles  Aquic Moisture Regime  Listed on Local Hydric Soil List  Remarks:  Primer for by  Methand Soils  Methand Flydrology YES  No  Wetland Flydrology YES  No  Wetland: Yes  No  Remarks:		, ,			S NO
Map Unit Name (Series/Phase): Red Bluff - Redding amplex  Mottled? (Te) / No Gleyed? Yes / Ro  Mottled? (Yes) / No Gleyed? Yes / Ro  Redoximorphic Features:  Gleyed or Low Chroma W Mottles  Low Chroma w Mottles  Aquic Moisture Regime  Listed on Local Hydric Soil List  Remarks:  Primer for by  Methand Soils  Methand Flydrology YES  No  Wetland Flydrology YES  No  Wetland: Yes  No  Remarks:		1			
Mottled (	SOILS				<del></del>
Mottled (	Map Unit Name (Series/Phase):	Red Blu	H- RI	dding complex	
Gleyed or Low Chroma w/ Mottles Sulfidic Odor Aquic Moisture Regime Concretions Listed on Local Hydric Soil List  Remarks:  1	Mottled?/Yes / No Gleyed?		Matrix C	olor: 7.5 YR 3/3 Mottle Color: 1/1	ne, black
Low Chroma w/ Mottles	Redoximorphic Features:			Paducinia Conditions	i dio tirct
Aquic Moisture Regime Listed on Local Hydric Soil List  Cother  Concretions Other  Concre	1				
Listed on Local Hydric Soil List  Remarks:  Suffer for for for for for for for for for fo	·				
HYDROLOGY  Inundated? Yes No Saturated? Yes No Depth of/to Free Water:  Primary Indicators:  Inundated Oxidized Root Channels in Upper 12"  Saturated in Upper 12"  Water Marks/Drift Lines Local Soil Survey Data  Sediment Deposit Other  Algal Matting  Drainage Patterns in Wetlands  Remarks:  Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Yes No Other Waters: Yes No Wetland Hydrology Present? Yes No Wetland: Yes No Remarks:  Wetland Hydrology Present? Yes No Wetland: Yes No No Remarks:				Other	
HYDROLOGY    Inundated? Yes No Saturated? Yes No Depth of/to Free Water:   Primary Indicators:					
HYDROLOGY    Inundated? Yes No Saturated? Yes No Depth of/to Free Water:   Primary Indicators:	Infined from beg.				١
Inundated? Yes No V Saturated? Yes No V Depth of/to Free Water:  Primary Indicators:	V V			Wetland Soils YES	) NO
Inundated? Yes No V Saturated? Yes No V Depth of/to Free Water:  Primary Indicators:	HYDROLOGY			,	_
Primary Indicators:  Inundated		Saturated?	Yes		
Saturated in Upper 12"		_	Sec		
Water Marks/Drift LinesLocal Soil Survey Data Sediment DepositOther Algal MattingDrainage Patterns in Wetlands  Remarks:  Dupunin with hory pun'h  Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Yes No Hydric Soils Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks:	**************************************		_		
Sediment Deposit  Algal Matting Drainage Patterns in Wetlands  Remarks:  Depuision with hosy punh  Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present?  Hydric Soils Present?  Yes No Wetland Hydrology Present?  Wetland: Yes No Wetland: Yes No Wetland: Yes No		<b>3</b> 4			
Algal Matting Drainage Patterns in Wetlands  Remarks:  Depute in with hory print  Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Yes No Hydric Soils Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks:		38		<del></del>	
Remarks:  Depussion with hory pain b.  Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Yes No Hydric Soils Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland: Yes No Remarks:					
Wetland Hydrology YES NO  WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Yes No Hydric Soils Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks:		etlands			
WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present? Hydric Soils Present? Yes No Hydric Soils Present? Yes No Wetland Hydrology Present? Yes No Wetland: Yes No Remarks:	Remarks:	1. 1 .	٠. ،	6.	
WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present?  Hydric Soils Present?  Yes No  Hydric Soils Present?  Yes No  Wetland Hydrology Present?  Yes No  Wetland: Yes No  Remarks:	Depression not	4 Nort	jein		
WETLAND/WATERS DETERMINATION  Hydrophytic Vegetation Present?  Hydric Soils Present?  Yes No  Hydric Soils Present?  Yes No  Wetland Hydrology Present?  Yes No  Wetland: Yes No  Remarks:				Wetland Hydrology	ES NO
Hydrophytic Vegetation Present?  Hydric Soils Present?  Yes No Other Waters.: Yes No Wetland:					
Hydric Soils Present?  Yes No Other Waters.: Yes No Wetland: Yes No Wetland: Yes No Wetland: Yes No					
Wetland Hydrology Present?  Yes No Wetland: Yes No					No w
Remarks:					
Depression that had water most of the year					
	Depression that	+ lad 1	aca da	and or there	
	i /	10-0	varen.	Mr. M. B. V. R.C. D.C. M.	

(jumpo)

Project/Site: SRC Milling		Date: May 20, 2003
Applicant: SRC Milling		Sample Point:
Investigators: JG/BA	County: Sacrar	mento State: California
Quad(s): Camichel		Section 24 Township 9N Range 65
Atypical Situation? Yes No	Potential Problem	Area? Yes (No Normal Circumstances? Yes No
VEGETATION		
Dominant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status
Horden marine	.9	
Hontodo taias	30 -	Tuiteles hyacithing FALW
		_ Tuffle chiate
		Holocayla sp
		Brodiaca elezan FACU
		- Julyan so - 2
Percentage of dominant species t	hat are OBL. FACW, or	or FAC: 57) %
Subdominants	suggest my	aland. Triteleia is a very pros FACW
		Wetland Vegetation (YES) NO
SOILS		
Map Unit Name (Series/Phase):	Red Bluff - 1	Redding complex
Mottled? Yes / No Gleyed?	Yes / No Matrix C	
Redoximorphic Features:Gleyed or Low Chroma	Colors	Reducing Conditions
Low Chroma w/ Mottle		Sulfidic Odor
Aquic Moisture Regime	•	Concretions
Listed on Local Hydric	Soil List	Other
Remarks:	ه ۵	Z.
to hand for d	ຶ5 '	
		Wetland Soils (YES NO)
TIVOROT OCV		
Inundated? Yes No L	Saturated? Yes	NoDepth of/to Free Water:
Primary Indicators:		econdary Indicators
Inundated	_	Oxidized Root Channels in Upper 12"
Saturated in Upper 12 <sup>n</sup>		Water-Stained Leaves
Water Marks/Drift Line	38 <u> </u>	Local Soil Survey Data
Sediment Deposit	_	Other
Algal Matting	1	
Drainage Patterns in W	euanos	
Remarks:	• A/ <sub>4</sub>	indicators present.
8 hope atom de pr	1377 . 1000	The state of the s
		Wetland Hydrology YES NO
WETLAND/WATERS DETE		
Hydrophytic Vegetation Present	? Yes V	NO & Other Waters · Yes · No V
Hydric Soils Present? Wotland Hydrology Present?	· · · · · · · · · · · · · · · · · · ·	No Vetland: Yes No Yes No Vetland: Yes No Yes
Wetland Hydrology Present? Remarks:	1.601	
Stope above	the dearens	in
		•
1		

Project/Site: SRC Milling			Date: May 20, 2003
Applicant: SRC Milling			Sample Point: 314
Investigators: JG/BA	Coun	ty: Sacram	nento State: California
Quad(s): Carnichael		•	Section 24 Township BN Range LB
Atypical Situation? Yes No	Potential I	Problem A	Area? (Yes) No Normal Circumstances? (Yes No
VEGETATION			
Dominant Plant Species	% Cover	Status	Non-Dominant Plant Species % Cover Status
Lolin multi.	20	- FAL	Triblia hyacish FACW
frontido taux.	30		Lythren hegen FACW
Holocarpha sp.	30		Vulpra bromoide FACW
			Castilleza attenuata -
			Brodie trong
			Junean bayon PALW
Percentage of dominant species the Remarks:  MMSund 0 mo		FACW, or I	
			Wetland Vegetation YES (NO)
SOILS			
Map Unit Name (Series/Phase):	D. Ad.	. 6.4	velly lower
Mottled? (res)/ No Gleyed?  Redoximorphic Features:  Gleyed or Low Chroma Low Chroma w/ Mottle  Aquic Moisture Regime Listed on Local Hydric S  Remarks:	8	Matrix Co	Reducing Conditions  Sulfidic Odor  Concretions  Other
			Wetland Soils YES / NO
HYDROLOGY			
Inundated? Yes No	Saturated?	Yes	No to Free Water:
Primary Indicators:	_	Sec	condary Indicators
Inundated			Oxidized Root Channels in Upper 12"
Saturated in Upper 12"			Water-Stained Leaves
Water Marks/Drift Line	6		Local Soil Survey Data
Sediment Deposit			Other
Algal Matting			
Drainage Patterns in We	tlands		
Remarks:	f.		
very shellow or	was.		
			VIV. 1 . 1 VI . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .
			Wetland Hydrology YES (NO)
WEILAND/WATERS DETE	RMINATIO	ON	
Hydrophytic Vegetation Present?			) V
Hydric Soils Present?	Yes	No	Other Waters.: YesNo
Wetland Hydrology Present?	Yes	No	Wetland: YesNo
Remarks:	. /	un f	
Marginal upl	av a si	i wit,	•
1			

Project/Site: SRC Milling				May 20, 2003	3 2.,-	
Applicant: SRC Milling	_		<b>-</b>	Point:	315	· ·
Investigators: JG/BA	Cour	ity: Sacrame		California	-1:- 0.1	D / 5
Quad(s): Carmichael Atypical Situation? Yes No	Potontial 1	Droblom Ar	ea? Yes (No No	n <i>24</i> Town ormal Circum	emp OV	Kange 🗸 🖰
<b>~</b>	i oteitiai	LIODIEM W	eat les (14)0 140	iniai Circui	ustatives: (	140
VEGETATION	- W C	Ct-t	NT. Davis A Dis	-1 Ci	0' C	Status
Dominant Plant Species	% Cover 	Status	Non-Dominant Pla		% Cover	OBL
			, v	•		
Eryngian sp.	<del>- 90</del>	FACINZ	Λ			<u>OBL</u>
			Pridiain	271		
			Plagis both	mat		OBL
			Enilitie	z '		OBL ?
			7			
Percentage of dominant species t Remarks:	nat are OBL,	FACW, or F	AC: /80 %			
				¥47_11 J 37_		e No
	· · · · · · · · · · · · · · · · · · ·			Wetland Ve	getation Y	S) NO
SOILS						
Map Unit Name (Series/Phase):	steem	n crttl	'c			
Mottled? Yes / No Gleyed?	Yes / No	Matrix Col	lor:	Mottle (	Color:	
Redoximorphic Features:	-			_		
Gleyed or Low Chroma				ng Conditions	3	
Low Chroma w/ Mottle Aquic Moisture Regime			Sulfidic Concret			
Listed on Local Hydric S			Other	IOIB		
Remarks:			<del></del>			
Coffle						
				Wetland So	ila /YE9	ON (s
				TT CHOICE OC.		<u> </u>
HYDROLOGY						
Inundated? Yes No No	∠ Saturated?		_No Depth o	f/to Free Wa	ter:	
Primary Indicators:		Seco	ndary Indicators	hle in TT	100	
Inundated Saturated in Upper 12"			Oxidized Root C Water-Stained L		pper 12	
Water Marks/Drift Line	S	-	Local Soil Surve			
Sediment Deposit			Other			
Algal Matting						
Drainage Patterns in We	itlands					
Such Channel. O	1114114 9	C.201				
Muk minner.	MANN P	3 70				
						(A) 170
				Wetland Hy	drology X	ES) NO
TATETT A NITH HATA TIED & THEFT	D'ANTAI A'TTA	าง			`.	-
WEILAND/WATERS DETE Hydrophytic Vegetation Present						
Hydric Soils Present?	Ye		Oti	her Waters.: \		No
Wetland Hydrology Present? Remarks:	Ye	sNo_		Wetland:	Yes	No
	, , ,					
Morriso Orch &	ributi	ary				
		•				

Project/Site: SRC Milling				te: May 20, 200		
Applicant: SRC Milling	-			mple Point:	316	
Investigators: JG/BA	Cour	ity: Sacram		ite: California ction 24 Town	schin AAII	Rango (af
Quad(s): Carmichael Atypical Situation? Yes No	Potential 1	Problem A	rea? Yes No	Normal Circu	mstances? ?	Yes) No
71	i Otenuai .	I TONICHI 11	iear ies aug	1 tornin Cucu	nounces. (	
VEGETATION Dominant Plant Species	% Cover	Status	Non-Dominat	nt Plant Species	% Cover	Status
Lo 7 h	40		Juncus	, -		FAC
FALSON DES AND	20	FACW	2 nince	wall-h		FACU
Navant tic lus	20	OBL	Pragn			OBL
Wind that the was			, ,			OBL
			117mng	i orrados	·	
Percentage of dominant species the Remarks:	nat are OBL,	FACW, or l	FAC: 10-0 %	Wetland V	egetation (YI	MO (E
SOILS	_			<u> </u>		
Map Unit Name (Series/Phase):	Red B	luff - 1	Redding "	rmplex		
	Yes / No	Matrix C	olon	Mottle	Color:	
Mottled? Yes / No Gleyed? Redoximorphic Features:	165 / 140	MARIE C	Oldi.			
Gleyed or Low Chroma				ducing Condition	ıs	
Low Chroma w/ Mottle	8			lfidic Odor oncretions		
Aquic Moisture Regime	enil Tint			her		
Listed on Local Hydric S	ומונו זונטנ			161		
corph						i.
				Wetland S	oils XES	) NO
				Welland O		,
HYDROLOGY						
Inundated? Yes No V	_Saturated			pth of/to Free W	ater:	
Primary Indicators:		Sec	condary Indicator	s loot Channels in 1	Ipper 12"	
InundatedSaturated in Upper 12"				ned Leaves	oppu —	
Water Marks/Drift Line	S		Local Soil S	Survey Data		
Sediment Deposit			Other			
Algal Matting						
Drainage Patterns in We	RIBROS					
Oruh Channel					•	
Cun ourse						
ì				Wetland F	Hydrology Y	ES NO
					<u>-)</u>	
WETLAND/WATERS DETE	RMINATI	ON				<del></del>
Hydrophytic Vegetation Present	? Ye	sNo				<b>&gt;</b> T
Hydric Soils Present?	Ye			Other Waters.:		No
Wetland Hydrology Present? Remarks:	Υe	s No	<b></b>	Wetland:	Yes	140
Channel 3-4's	vide					
			,			

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Atypical Situation? Yes No	County: Sacrament	Section Towns	hip Range stances? Yes No
VEGETATION			9
Dominant Plant Species		Von-Dominant Plant Species Expresion of Horden emarina Ranco culus bon	i i
Percentage of dominant species t	hat are OBL, FACW, or FAC	: 100 %	
		Wetland Veg	etation YES NO
SOILS			
Map Unit Name (Series/Phase):  Mottled? Yes// No Gleyed? Redoximorphic Features:Gleyed or Low ChromaLow Chroma w/ MottleAquic Moisture RegimeListed on Local Hydric : Remarks:Jyjun A.	Yes / No Matrix Color Colors es	Reducing Conditions Sulfidic Odor Concretions Other  Wetland Soi	
HYDROLOGY			
Inundated? YesNo1 Primary Indicators:InundatedSaturated in Upper 12"Water Marks/Drift LineSediment DepositAlgal MattingDrainage Patterns in W. Remarks:Marks	Second	NoDepth of/to Free Watery Indicators _Oxidized Root Channels in Up _Water-Stained Leaves _Local Soil Survey Data _Other	
		Wetland Hy	drology YES NO
WETLAND/WATERS DETE Hydrophytic Vegetation Present Hydric Soils Present? Wetland Hydrology Present? Remarks:		Other Waters.: Y Wetland:	esNo (esNo

Project/Site: SRC Milling Applicant: SRC Milling Investigators: JG/BA Quad(s): Carmichael	County: Sacram	Section 24 Township $\theta N$ Range $G \mathcal{B}$
Atypical Situation? Yes No	Potential Problem A	rea? Tes (190) 190/11161 Circumstances: 1269 190
VEGETATION  Deminant Plant Species	% Cover Status	Non-Dominant Plant Species % Cover Status
Dominant Plant Species	40	Arma barbota
Taercasthern cm	40 -	Lembodon tarax
		Litus puchia-
		Wolvenisha sp Trifsler dulin FACU
		Trifoli dulia FACU
Percentage of dominant species the Remarks:	nat are OBL, FACW, or I	FAC: 10 %  Wetland Vegetation YES (NO)
		Wedand Vegeration 113 (140)
SOILS		
Map Unit Name (Series/Phase):	Red Bluff-Re	dding complex
Mottled? Yes / No Gleyed? Redoximorphic Features:Gleyed or Low ChromaLow Chroma w/ MottleAquic Moisture Regime	Yes / No Matrix Co Colors s	· · · · · · · · · · · · · · · · · · ·
Listed on Local Hydric S Remarks:  Hand, Mocky		Wetland Soils YES NO
HYDROLOGY		
Inundated? YesNo	Saturated? Yes	NoDepth of/to Free Water:
Primary Indicators: Inundated	Sec	ondary Indicators Oxidized Root Channels in Upper 12"
Saturated in Upper 12"	<del></del>	Water-Stained Leaves
Water Marks/Drift Line Sediment Deposit	·s	Local Soil Survey Data Other
Algal MattingDrainage Patterns in We	——etlands	
Remarks:		
Try of havi		_
		Wetland Hydrology YES (NO)
YAMPEL ARID KALAMERIO TAPPE		
WEILAND/WATERS DETE Hydrophytic Vegetation Present		
Hydric Soils Present? Wetland Hydrology Present? Remarks:	YesNo YesNo	Other Waters.: YesNo  Wetland: YesNo
No without po	armeters of	resent.

			Date: May 20, 2003	319
Applicant: SRC Milling	<b>C</b>		Ountplo 1 Onto	7/7
Investigators: JG/BA	Coun	ty: Sacramer	nto State: California	nip GN Range 7E
Quad(s): Carmichael Atypical Situation? Yes No	Potential F	Problem Are	a? Yes (No) Normal Circum	stances? (Yes) No
VEGETATION 105 110	1 Occident 2	100202112	105 (119 11022222	samoto. (Lus) 110
Dominant Plant Species	% Cover	Status	Non-Dominant Plant Species	% Cover Status
bolan mults.	30	FAC.	Limbodon Farak.	
Hoden mirin	10	FAL .	Plazio stip	OBL
barunculu Donas.	28	OBL.	Infolio varigatur	- FALW-
<i>bb</i> 7	20			<del> </del>
Percentage of dominant species th	at are OBL.	FACW, or FA	.C: /00 %	
Remarks:	,	,		
			Wetland Veg	etation (YES) NO
\$				
SOILS				
Map Unit Name (Series/Phase):	Reddin	z grabill	ly loan	
		/ V - 3.6-1-1 (7-1-	or: 5 4R 3/4 Mottle C	olor: Diange/brown fanit
Mottled? Yes / No Gleyed? 'Redoximorphic Features:	Yes / No	Matrix Cold	or: 5 170 77 / Mottle C	bior: Details
Gleyed or Low Chroma	Colors		Reducing Conditions	Tim-
Low Chroma w/ Mottles	3		Sulfidic Odor	•
Aquic Moisture Regime			Concretions	
Listed on Local Hydric S Remarks:			Other	
Influed from ven	g and t	rpiging	her	
1	•	, , ,		<i>_</i> .
		<del></del>	Wetland Soils	YES NO
HYDROLOGY				
Inundated? YesNo/	Saturated?		No Depth of/to Free Wate	r:
Primary Indicators: Inundated		Secon	dary Indicators	
				178
<del></del>			Oxidized Root Channels in Up Water-Stained Leaves	per 12"
Saturated in Upper 12"		***************************************	Oxidized Root Channels in Upg Water-Stained Leaves _ Local Soil Survey Data	per 12 <sup>n</sup>
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit			Water-Stained Leaves	per 12°
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting			Water-Stained Leaves Local Soil Survey Data	per 12"
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet			Water-Stained Leaves Local Soil Survey Data	per 12"
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands		Water-Stained Leaves Local Soil Survey Data	per 12°
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands		Water-Stained Leaves Local Soil Survey Data	per 12"
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands	  	Water-Stained Leaves Local Soil Survey Data Other	
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands	```	Water-Stained Leaves Local Soil Survey Data	
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wel Remarks:  WM CMNVJ , Mu	lands		Water-Stained Leaves Local Soil Survey Data Other	
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet	lands	N No	Water-Stained LeavesLocal Soil Survey DataOther  Wetland Hyd	irology YES NO
Saturated in Upper 12" Water Marks/Drift Lines Sediment Deposit Algal Matting Drainage Patterns in Wet Remarks: WY WETLAND/WATERS DETER Hydrophytic Vegetation Present? Hydric Soils Present?	clands  FULTY  RMINATIO  Yes  Yes	NoNo	Water-Stained Leaves Local Soil Survey Data Other  Wetland Hyd	irology YES NO
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4 1 ODG 1 (111:		Date: May 20, 2003 Sample Point:	17 A
Applicant: SRC Milling	_	omitpic roma.	) 00
Investigators: JG/BA,	County: Sacra	nento State: California	. 4.15 75
			ip 8N Range 7€
Quad(s): Cami Chu ( Atypical Situation? Yes No	Potential Problem	rea? Yes Mo Normal Circums	stances? Yes No
VEGETATION	<sup>™</sup> C Stokus	Non-Dominant Plant Species 9	% Cover Status
Dominant Plant Species	% Cover Status	Tutoler histor	
Latheren cercon	70 -	Initelesi hyra	<u>FACW</u>
Percentage of dominant species t Remarks:	hat are OBL, FACW, o	FAC: 6	
		Wetland Vege	etation YES (NO)
SOILS			
	Redding a	arelly loarn	
Map Unit Name (Series/Phase):  Mottled? (Fes.) No Gleyed?		olor: 7.5 YR 3/4 Mottle Co	olor: Oranse deit
Redoximorphic Features:		Padveing Conditions	industrict
Gleyed or Low Chroma		Reducing Conditions Sulfidic Odor	ŕ
Low Chroma w/ MottleAquic Moisture Regime	9	Concretions	
Aquic Moisture Regime	Soil T ist		
		{ }rnor	
	Off Figst	Other	
Remarks:	ou list	Other	
	our List	Other Wetland Soils	YES NO
Remarks:	out List		YES NO
Remarks:  HYDROLOGY		Wetland Soils	
Remarks:  HYDROLOGY Inundated? YesNo	_ Saturated? Yes	Wetland Soils  No Depth of/to Free Water	
Remarks:  HYDROLOGY	_ Saturated? Yes	Wetland Soils	:
Remarks:  HYDROLOGY Inundated? YesNo Primary Indicators:	_ Saturated? Yes	Wetland Soils  No Depth of/to Free Water condary Indicators	:
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#### APPENDIX B

Plant Species Observed on the SRC Milling Property

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Appendix B. Plant Species Observed on the SRC Milling Property

Common Name	Taxon	Wetland Status
Annual beard grass	Polypogon monspeliensis	FACW+
Annual bluegrass	Poa annua	FACW-
Annual checker mallow	Sidalcea calycosa subsp. calycosa	OBL
Annual hairgrass	Deschampsia danthonioides	FACW
Aquatic buttercup	Ranunculus aquatilus	OBL
Barbed goatgrass	Aegilops triuncialis	-
Bermuda grass	Cynodon dactylon	FAC
Bindweed	Convolvulus arvensis	-
Blinks	Montia fontana	OBL
Blue dicks	Dichelostemma capitatum subsp. capitatum	-
Boccone's sand-spurrey	Spergularia bocconi	-
Boggs Lake dodder	Cuscuta howelliana	-
Bractless hedge-hyssop	Gratiola ebracteata	OBL
Brass-buttons	Cotula coronopifolia	FACW+
Broad-leaf filaree	Erodium botrys	-
Brome fescue	Vulpia bromoides	FACW
California burclover	Medicago polymorpha	-
California poppy	Eschscholzia californica	-
Capped rush	Juncus capitatus	FACU
Chaffweed	Anagalis minimus	FACW
Clover	Trifolium glomeratum	-
Common fiddlneck	Amsinckia menziesii	-
Common groundsel	Senecio vulgaris	NI*
Common knotweed	Polygonum aviculare	FAC
Common monkeyflower	Mimulus guttatus	OBL
Common purslane	Portulaca oleracea	FAC
Common vetch	Vicia sativa	FACU
Creeping spikerush	Eleocharis macrostachya	OBL
Curly dock	Rumex crispus	FACW-
Cut-leaf geranium	Geranium dissectum	-
Dallis grass	Paspalum dilatatum	FAC
Double-horned downingia	Downingia bicornuta var. bicornuta	OBL
Douglas' meadowfoam	Limnanthes douglasii subsp. rosea	OBL
Douglas' mesa mint	Pogogyne douglasii	OBL
Duckweed	Lemna sp.	OBL
Dwarf brodiaea	Brodiaea minor	-
Dwarf sack clover	Trifolium depauperatum	FAC-
Dwarf woolly-heads	Psilocarphus brevissimus var. brevissimus	OBL

Common Name	Taxon	Wetland Status
Everlasting cudweed	Pseudognaphalium luteoalbum	FACW-
Few-seed bitter cress	Cardamine oligosperma	FACW
Fiddle dock	Rumex pulcher	FAC+
Fitch's spikeweed	Centromadia fitchii	-
Flowering quillwort	Lilaea scilloides	OBL
Foxtail barley	Hordeum murinum subsp. leporinum	NI
Fremont cottonwood	Populus fremontii subsp. fremontii	FACW
Fremont's goldfield	Lasthenia fremontii	OBL
Fryingpan poppy	Eschscholzia lobbii	-
Greene's popcornflower	Plagiobothrys greenei	FACW
Hartweg's odontostomum	Odontostomum hartwegii	-
Harvest brodiaea	Brodiaea elegans subsp. elegans	FACU
Holozonia	Holozonia filipes	FACU
Hyssop loosestrife	Lythrum hyssopifolia	FACW
Inch-high rush	Juncus uncialis	OBL
Iris-leaf rush	Juncus xiphioides	OBL
Italian ryegrass	Lolium multiflorum	FAC*
Italian thistle	Carduus pycnocephalus	-
June centaury	Zeltnera muehlenbergii	FACW
Larger water-starwort	Callitriche heterophylla var. heterophylla	OBL
Least spikerush	Eleocharis acicularis var. acicularis	OBL
Legenere	Legenere limosa	OBL
Little hop clover	Trifolium dubium	FACU*
Long-beaked hawkbit	Leontodon saxatilis subsp. longirostris	-
Mediterranean barley	Hordeum marinum subsp. gussoneanum	FAC
Medusahead	Taeniatherum caput-medusae	-
Mexican rush	Juncus mexicanus	FACW
Milk thistle	Silybum marianum	-
Miniature lupine	Lupinus bicolor	-
Mouse-ear chickweed	Cerastium glomeratum	FACU
Narrowleaf mules ears	Wyethia angustifolia	FACU-
Needle-leaved navarretia	Navarretia intertexta subsp. intertexta	OBL
Orcutt's quillwort	Isoetes orcuttii	OBL
Oregon woolly-heads	Psilocarphus oregonus	OBL
Owl's-clover	Castilleja camprestis subsp. campestris	OBL
Owl's-clover	Triphysaria pusilla	-
Owyhee mudwort	Limosella acaulis	OBL
Pacific foxtail	Alopecurus saccatus	OBL
Pineapple-weed	Matricaria discoidea	FACU
Prickly lettuce	Lactuca serriola	FAC

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Marie .

(Alexandra)

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No.

Marie .

(Victoria)

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Common Name	Taxon	Wetland Status
Prickly sow-thistle	Sonchus asper	FAC
Puncture vine	Tribulus terrestris	-
Purslane speedwell	Veronica peregrina subsp. xalapensis	OBL
Red maids	Calandrinia ciliata	FACU*
Ripgut grass	Bromus diandrus	-
Rose clover	Trifolium hirtum	-
Round woolly-marbles	Psilocarphus tenellus var. globiferus	OBL
Ruby sand-spurrey	Spergularia rubra	FAC-
Rush	Juncus sp.	VARIES
Rusty popcornflower	Plagiobothrys nothofulvus	FAC
Sacramento mesamint	Pogogyne zizphoroides	OBL
Scarlet pimpernel	Anagalis arvensis	FAC
Sheep sorrel	Rumex acetosella	FAC-
Shepherd's purse	Capsella bursa-pastoris	FAC-
Shining peppergrass	Lepidium nitidum var. nitidum	-
Short-podded mustard	Hirschfeldia incana	-
Silver European hairgrass	Aira caryophyllea	-
Silverpuffs	Microseris sp.	-
Slender wild oat	Avena barbata	-
Small quaking grass	Briza minor	FACW-
Smooth cat's-ear	Hypochaeris glabra	-
Smooth goldfields	Lasthenia glaberrima	OBL
Soap plant	Chlorogalum pomeridianum var. pomeridianum	-
Soft chess	Bromus hordeaceus	FACU-
Solano downingia	Downingia ornatissima var. ornatissima	OBL
Spanish-clover	Lotus purshianus var. purshianus	-
Spiny-fruit buttercup	Ranunculus muricatus	FACW+
Spoke-pod	Thysanocarpus radians	-
Stipitate popcornflower	Plagiobothrys stipitatus var. micranthus	OBL
Subterranean clover	Trifolium subterraneum	•
Succulent owl's-clover	Castilleja campestris subsp. succulenta	OBL
Swamp pricklegrass	Crypsis schoenoides	OBL
Tall flatsedge	Cyperus eragrostis	FACW
Timwort C	Cicendia quadragnularis	-
Foad rush	Juncus bufonius	FACW+
Fomcat clover	Trifolium willdenovii	_
Tricolored monkeflower	Mimulus tricolor	OBL
<b>Friphysaria</b>	Triphysaria versicolor subsp. faucibarbata	<u>-</u>
Tumble pigweed	Amaranthus albus	FACU
Turkey mullein	Croton setigerus	

(Alessan)

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<u>लिख</u>क

William.

(Male)

Common Name	Taxon	Wetland Status
Valley tassels	Castilleja attenuata	-
Vasey's coyote-thistle	Eryngium vaseyi	FACW
Vernal pool buttercup	Ranunculus bonariensis var. trisepalus	OBL
Virgate tarweed	Holocarpha virgata subsp. virgata	-
Water pygmy-weed	Crassula aquatica	OBL
Wayside peppergrass	Lepidium oblongum var. oblongum	-
Western mannagrass	Glyceria x occidentalis	OBL
Western marsh cudweed	Gnaphalium palustre	FACW
White brodiaea	Triteleia hyacinthina	FACW*
White meadowfoam	Limnanthes alba subsp. alba	OBL
White-flowered navarretia	Navarretia leucocephala subsp. leucocephala	OBL
White-stem filaree	Erodium moschatum	-
White-tip clover	Trifolium variegatum	FACW-
Wild oat	Avena fatua	-
Wild radish	Raphanus sativus	-
Wild-pea	Lathyrus cicera	-
Willow	Salix sp.	VARIES
Willow dock	Rumex salicifolius	OBL
Windmill-pink	Silene gallica	-
Winged water-starwort	Callitriche marginata	OBL
Winter vetch	Vicia villosa	-
Yellow glandweed	Parentucellia viscosa	-
Yellow star-thistle	Centaurea solstitialis	-

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(Silver)

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## APPENDIX C Wetland Delineation Map