ATTACHMENT 1

Inventory of Rare Plant Locations and Sites Surveyed for Wetland Resources on the Santa Rosa Plain, Sonoma County

Prepared for:

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P.O. Box 47, Yountville, CA 94599

DFG Contract No. FG 2241R3

Prepared by:

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and
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U.S. Fish and Wildlife Service
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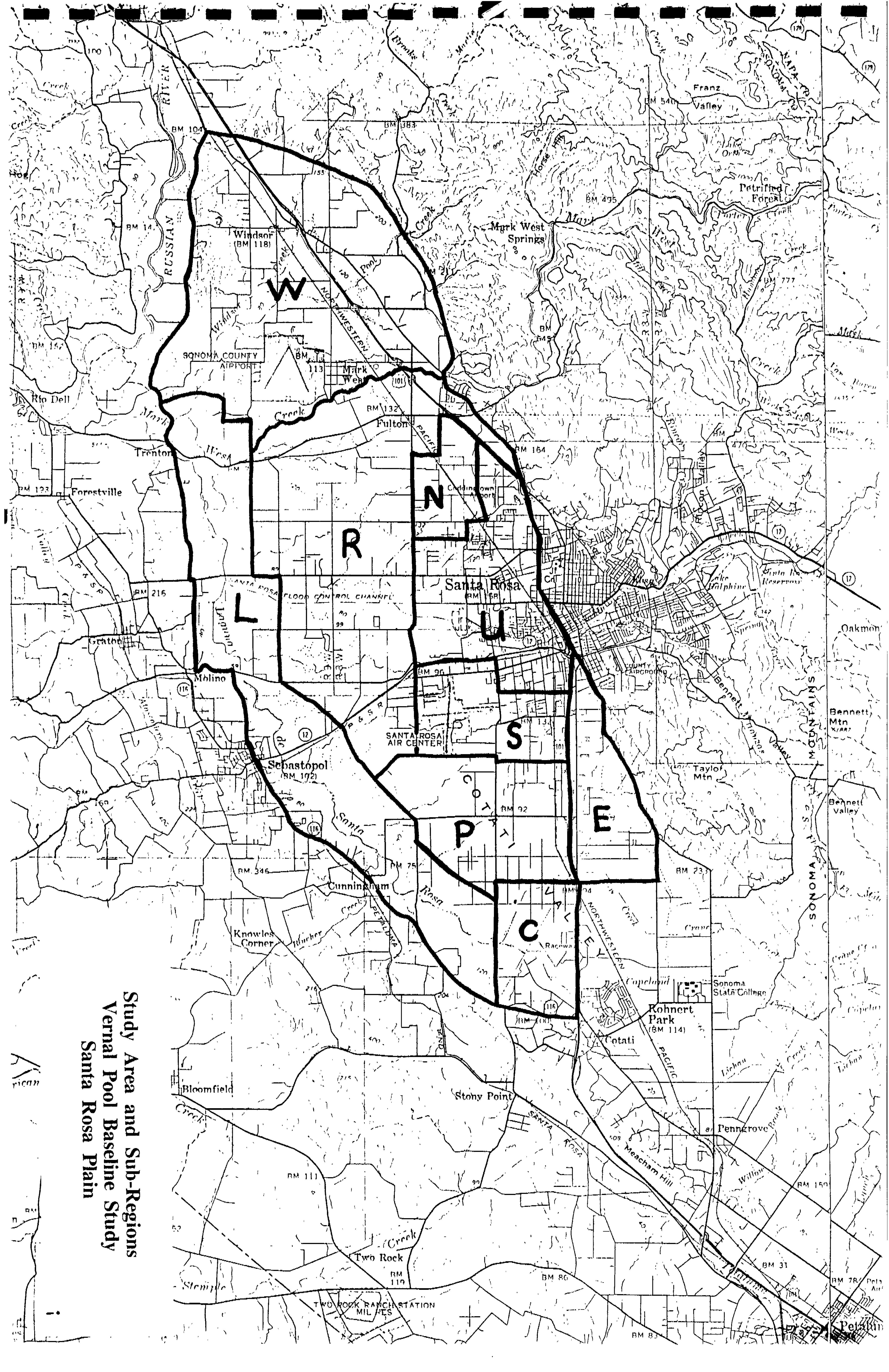
June 30, 1994



Study Area and Sub-Regions
Vernal Pool Baseline Study
Santa Rosa Plain

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
20C 01	161-030-16	18-LABU	'Grill'	W	Grill		M1	4.57	2	C/I, V	C/I	C/I	HvC	P, s	C	0	H/79, 82; G/85-88, 90, 91; P/88-93;	D	H/JC; G/UC, JC	P
20C 02	not applicable	4-LABU	Arata at Hwy 101	W	Caltrans		freeway ROW	?	0	Pu	-	C/I, Rr	HvC	P	C	0	?			
20C 03	161-26-02 (sudivided)	12-LABU	Starr Road No. 1 (ZAM)	W	misc. (subdivided)		R1-PF	12.98	0	Ru	-	Ru, Rr	HvC	P	C	0	G/86, H/88, P/89	R	SB/89	
20C 04	161-040-07	12-LABU	Starr Road No. 2	W	Burbank Housing Dev. Corp. (Cole, J. and A.)		R2	5.87	0	Rr	Ru	Rr, Ru	HvC	P, s	C	0	G/88, 91	R	G/UC	
20C 05	066-010-03		Wilcox Rd. wrecking yard	W	Elliff, Elmer and Marsha		RR-B5	1.93	2	Rr	Rr, Ru	Rr, C/I	HvC	s, P	C	0	G/86-88, 91	R		
20C 06	066-010-02		Wilcox Rd.	W	Garcia, Jose and Julia		RR-B5	5.09	2	Rr	Rr, Ru	Rr, Ru, C/I	HvC	s, P	C	0	G/86-88, 91	R		
20C 07	066-021-01		Herb Road ('blue oaks') or Promenade Lane	W	Glasgow, Harold and Ellen	-	RR-B5	3.96	1	V	Rr or Ru?; for sale '94	Rr, Ap, Ai	HvC	P, s	C	0	P/89; G/86-88, 90,91; H/89	R	G/UC'90, H/JC'89	G/86
20C 08	066-190-26		Grange area	W	Rebich, Daniel P.O. Box 71, Windsor		A1-B5; 5 ac min.	13	2			Rr, Ru, A	HtC	s, P, f	C		R/?; P/84 (air); G?/88	R		P/84 (air)
20C 10	161-020-06 161-020-08 161-020-09		Veale	W	Veale	-	M1	2.5	2	V, C/I	C/I	V, C/I	HvC	s, P	C	0	P/90-94; G/90	D, R	G	P
20C 11	subdivided		Kidd Estates	W	misc.				2	Ru	Ru	Rr, Ru	HvC	P, s	C	0	P/89; G/86, 91	D	G/UC'90	P

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
V, v, s, Ug, UwUg	a	H, V, f	0.75	2	30/2	E/4/86 E/2/90 E/3/92 E/2/93	0	0		PODOP	Juncus, PODOP, Hordeum, Lolium, Wyethia, Down. con., Pleuro. cal., Brod. hyac., Hemiz.			D	H, f, C/I	H
	X					E/?/60 E/?/79 X/0/85										0?
	X	Ru				E/4/88 E/3/89 X/90										0
v, s, Ug	n	Rr, Ru, h, t, w	0.3?	1	?/3	E/3/88 E/3/91								D	Ru, t, w, h	L
v, s, Us	A	W, Rr	0.02	0	?/1	E/2/88 E/2/91	-	-							Ru, H	L
v, s, Us	a	Rr, Zc	0.6?	2	1	E/4/88 E/4/91?	-	-							Ru, Rr, Z	M
v, s, Uo	N	Rr, v	0.3	1	30/4	E/5/89 E/4/90	-	-	NABA	DOHU	Hordeum, Juncus, Downingia concolor; Quercus douglasii			D	Rr, Ru	N
v, s, Ug, Us	n	Zh			?/2?	E/5?/84 E/3/88					Quercus				Rr, A?	H?
v, s, md, Ug	a	j, v, d	0.3	2	20/2	0/0/89 E/2/90 E/2/91 E/1/92 E/1/93	-	-		HECO	Hordeum, Lolium, Hemizonia, Vulpia, Microcala, Brod. hyac.			D	C/I	M
V, v, s, Us	X	Ru				E/7/86 E/7/89 X/90	-	-		DOHU, CUHO?	Pleuro., Down., Brod., Grat., Deschamp.	P/89		D		0

*1 Map Code Co photo # + sequential # (contin. from Waaland, '89)
*2 A.P. No.s Sonoma County Assessor's Parcel number(s)
*3 EO No. Element Occurrence number with CNDDB (# - Species)
*4 Place Name General location name or description
*5 Geog. Sub- W: Windsor, L: Laguna, U: urban Santa Rosa (SR), S SW SR, N: NW SR, E: E SR, P: S SR Plain, R: rural SR, C: Cotati
*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan ; _/Co = county, _/Cl = city
*9 Site size Approx. acreage of site (generally one parcel)
*10 Contig with Contig. with other significant parcels? 0 = isolated, no other significant sites adjacent, 1: undeveloped land adj., but no sig. wetlands; 2: 1-3 adj. or < 20 ac sig. adj. land; 3: 4 or > sig. adj. parcels or >20 ac sig. adj. land, 4: >10 ac sig. adj. public land
*11 Current Use A = Agriculture Aw: wastewater Ao: orchard Ap: pasture Ar: row crops Av: vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr: rural Ru: urban, V = Vacant P = Public Pc: conservation, Pr: recreation, park, Ps: school Pp: wastewater pond, Pi: wastewater irrigation, Pu: public utility C / I: commercial/industrial
*12 Prop. Use Proposed or likely future land use(s). (see # 11)
*13 Adj. Uses Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils Dominant soil (see SCS '72); (H): on Co. hydric soils list
*15 Hydrol. Sys. Primary hydrologic system: S/s: major / minor surface system, G/g: groundwater, P/p: perched water table, F/f: floodplain
*16 Restr. Layer Restrictive soil layer ? S_: dense surface clay (Se: entire profile = clay, Ss: compacted surface layer); B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
*18 Years Surv. Investigator / yr: P: Patterson, W: Waaland, G: Guggolz, H: Harrison, O: Ornduff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
*19 Level Surv. C: casual, fence, airplane; R: reconnaissance; D: detailed (EIR, etc.); P_: Data proprietary: data given are from: Pc: CNPS, NDDB; Pg: gen'l knowledge, lit., or unrestricted access; Pp: submitted to an agency; Pn: NW Annex. EIR; Ps: SW Annex. EIR; Pa: air photos
*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d: dry), C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna) (__): historic; "__" = man-made habitat
*23 Natural. N: natural topog., ± unaltered (n: with minor alterations); A: hist. sig. altered (a: sig. altered, but stabile); X: completely graded/converted
*24 Influences Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_ grazed (_c: cattle, _s: sheep, _h: horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c: cultiv., I/i: irrig., J/j: junk, H/h: hydrol altered, M/m: manure, E/e: exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. Ratio of wet. to upland: 0 = trace wet. or less than 5 % of site, 1 = 5-10 % wet., 2 = 10-20 %, 3 = 20-50%, 4 = > 50 %
*27 Wet. Break. % aquatic/no. of features: 1: solitary, 2: 2-5, 3: 6-15, 4: >15
*28 LABU *Lasthenia burkei*: E: extant, X: extirp., H: hist./abund. class: '0': none, 0: <10 plants, 1. 10-100, 2: 100-500, 3: 500-1000, 4: 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM: *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. CTS: CA tiger salamander, LO: CA linderiella, VPS: v. p. shrimp, FS: freshwater shrimp, R: raptors, W: waterbirds, etc., Ai: sig. aquatic invert.s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats, L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

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s	n	Z, j, W, T		0?	0/1										Ru, G	
s, md, d, a	n	Z, d, C, j, W,	1 - 2	2	0/2	-	-	-		-	Lol., Hord., Rumex, Poa ann., Brass., Geran.				Rr, I, Af, C	?
V, s	n	Zs, Zc, C, m, T	(0.5)	0	60/2	-	-	-		-	Pleuro. cal., Down. con., Desch. danth., Plagio. brac., Hord. hys., Lol.			D	I, Z, Af, Rr, C, m, T	M
S, s, v, Us	N	Zh, Zs, I, m, W	(0.8)	0	30/2	-	-	-	-	-	Ran. mur., Poa ann., Lol., Rumex, Lythrum, Mentha			D	I, z, Rr, m, W, t	H
s	n	D, C, W, T	t r	-							Lol., Hord. hys., Ran. mur., Down. con., Rumex				Ah, Rr, C, T	?
s	a	D, Z, W, T, I?	t r	0		-	-	-			Lol., Hord., Bromus, Erod., Brass., Centaur.			D	Af, Rr, Ai, C, W, T, M	?
s, r, c, d	n, A	Z, D, m, W, t	0.2		80/2	-	-	-		-	Poa ann., Rumex, Rubus disc., Vinca, Salix, Fraxinus			C, M, D	Rr, Z, Ai	?
s, v	a	Pr, R	0.1			-	-	-	-	Q	Q. kell., Q. ag., Q. doug., Q. garr. annual grasses					L
s, v	A	W, Rr	0.1	0	?/1	E/86-88 ?/0/91									Ru, C/I	L
	a	(Z), Af, R	0 C			-	-	-	-	-	Lolium, Hypoch., Vicia, Hord.	M/92		D		

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20C 23	161-030-06		Starr Road NW	W	Hoppe, Oswald and L.			2.97		V	?	C/I, Rr	HvC	s, P	C	0	P/93	R		
20C 24	164-030-15 164-030-17 164-030-18 164-030-19 164-030-20 164-030-39		Windsor Water District - '1751'	W	Windsor Water District			5.65	0	Rr, V	Pp ?	Pp, Rr	HtC	s, P	C	0	P/93	D		
20D 01	161-010-15		'Hognestadt'	W	Hognestadt (Gallagher ?)			40.51	1	Af, Rr	?	Rr, Af, Ap	HtA	s	?	1	P/93	R		
20D 02	161-010-13		Beer	W	Beer, Alan and Frieda			20	1	Rr, Af, Ag	?	Rr, Af, Ap	HtA	s, d	?	1	p/93	R		
20D 03 and 20C 18	066-100-52		Windsor Square	W	Windsor Square Investors			12.45	0	V	C/I	Ru, C/I	HvC, CoA	s, P	C	0	P/91	D		
20D 04	164-020-20		Calton Homes	W	Calton Homes		R2 B6; 8 du	21.75	0	V	Ru	Rr, Ru, C/I	HtA	s, P, f	C	2	S/92, 93; P/93	D		
20D 05			Elsbree mitigation easement	W				2	0	Pp	Pp	Ru, Rr	YsA	s	?	0	P/92, 93	D		P
20D 06	161-070-55		Brooks Road West	W	Brooks Creek Partners?			29	0	V	Ru, C/I	Ru, C/I	CoA	s	?		P/93	R		
20D 07	misc.		'North Trunk Sewer' (Windsor Creek)	W	misc.				2	V		Rr, C/I					P/93	D		
20E 01	059-260-010	7-LABU	Sonoma County Airport, preserve	W	County of Sonoma		A1	11 ?	1	Pc	Pc	C/I, Ai, Af	HwB	s, P	C	0	P/84, 87, 88, 89; S/89-93	D		P, S?

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
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s, v?, md	n	Rr, C/I, (Z)	1+?	1	?/1						Danth., Lol., Hord.			D	Ru, C/I	?
s, v, md, w	n	Af, R, h	1 ?	1	50/2	-	-	-	-	RALO	Pleuro. cal., Down. con., Las. glab., Eryng. arist., Deschamp., Limn. doug. nv., Lol.			D	Rr, Pp, Pi?	H?
s, c, Uo	N	Zh, I, M, W, T	t r	0	0/2	-	-	-		-	annual grassland, Poa ann., Rubus			D	Rr, Af, Ap, Ai, W, T, M	?
s	n	Zs, m, w, t	t r	0	0/2	-	-	-		-	Lol., Bromus, Poa ann.			D	Rr, Af, Ap, W	?
v, s	a	W	(0.4)	0	40/2	-	-	-		-	Cyperus, Mentha, Plagio. brac., Xanthium, Hord. hys., Lasth. glab.			D	Ru, C/I, j	?
v, s, C, c, Ug, Us, R	N	(Z), Rr	0.7 C	1	75/2	-	-	-	-	PODOP, RALO	Danth., Hord. brachy., Limn. doug., Rumex, Mentha	S?	LO	D, C, B	Ru, Rr	H
	A	Ru, W	0.2	2	90/2	-	-	-						D	W, j, Ru	N
C	A	(Ao), w, t	0	0	-						Lol., Bromus, Vicia, Brass., Phalaris			D	Ru	?
C, R	a, N		0			-	-	-								L/N
"V", "v", "s", Ug, Uw	A	G, H, O, Pi	0.8	3	60/3	E/6/84 E/6/87-88; E/7/89; E/?/90-93	-	-		PODOP	Juncus, Pleuro. cal., Down. con., Koelaria, Lyth., Crass. aq.	S?			C/I, Ai	N

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*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan ; _/Co = county, _/Cl = city
*9 Site size Approx. acreage of site (generally one parcel)
*10 Contig.with Contig. with other significant parcels? 0 = isolated, no other significant sites adjacent; 1: undeveloped land adj., but no sig. wetlands; 2. 1-3 adj. or < 20 ac sig. adj. land; 3. 4 or > sig. adj. parcels or >20 ac sig. adj. land, 4: >10 ac sig. adj. public land
*11 Current Use A = Agriculture Aw: wastewater Ao: orchard Ap: pasture Ar: row crops Av: vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr: rural Ru: urban. V = Vacant P = Public Pc: conservation, Pr: recreation, park, Ps: school Pp: wastewater pond, Pi: wastewater irrigation, Pu: public utilityC / I: commercial/industrial
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*14 Soils Dominant soil (see SCS '72); (H): on Co. hydric soils list
*15 Hydrol. Sys. Primary hydrologic system: S/s: major / minor surface system, G/g: groundwater, P/p: perched water table, F/f: floodplain
*16 Restr. Layer Restrictive soil layer ? S_: dense surface clay (Se: entire profile = clay, Ss: compacted surface layer); B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
*18 Years Surv. Investigator / yr: P: Patterson, W: Waaland, G: Guggolz, H: Harrison, O: Ornduff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
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*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p. peren. marsh, M/m_: meadow (_w: wet, _d: dry), C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__): historic, "__" = man-made habitat
*23 Natural. N: natural topog., ± unaltered (n: with minor alterations); A: hist. sig. altered (a: sig. altered, but stabile); X: completely graded/converted
*24 Influences Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_: grazed (_c: cattle, _s: sheep, _h: horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c: cultiv., I/i: irrig., J/j: junk, H/h: hydrol. altered, M/m: manure, E/e: exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. Ratio of wet. to upland: 0 = trace wet. or less than 5 % of site, 1 = 5-10 % wet., 2 = 10-20 %, 3 = 20-50%, 4 = > 50 %
*27 Wet. Break. % aquatic/no. of features. 1: solitary, 2: 2-5, 3: 6-15, 4: >15
*28 LABU *Lasthenia burkei*: E: extant, X: extirp., H. hist./abund. class: '0': none, 0: <10 plants, 1: 10-100, 2: 100-500, 3: 500-1000, 4: 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM: *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. CTS: CA tiger salamander, LO: CA linderiella, VPS: v. p. shrimp, FS: freshwater shrimp, R: raptors, W: waterbirds, etc., AI: sig. aquatic invert s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats; L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0. too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	* 9	* 10	* 11	* 12	* 13	* 14	* 15	* 16	* 17	* 18	* 19	* 20	* 21
20E 02	066-230-40 066-230-42		Circle 'C' Ranch	W	Christensen			10	2	Ap	Ai?	Ap	HtC	s, P		1	P/92	D		
20E 03			West of Airport	W					1	Rr, Ap		Rr, Ap	HtC	s, P?		1	P93	C		
20E 04			Confluence of Windsor and Pool creeks	W					3	Rr, Ap, Ai	?	Rr, Ap, Ai	HtC, ZaA, AeA	S, s, P	?	2	P/91?	D		
20E 05			Pond 'S'	W					1	V		A	GdE	s		2	P/91	D		
20F 01	059-260-10	9-LABU	Sonoma County Airport, medians	W	County of Sonoma		A1	15+	0	Pu (airport infields)	-	Rr, Af, Ai	HwB, CfA	s, P	C	0, 1	P/87, 88; S/89-93	D		P, S?
20F 02	59-271-28 59-271-17		Standard Structures NE	W	R. C. Calletti		M1	1.19 78.25 44.07	2	C/I , V	C/I	Ap, Ah, C/I	HwB	P, s	C	1	P/84 (air), P/92; G/88, 90	D		P
20F 03	059-270-60	8-LABU in part	County Wastewater Plant	W	County of Sonoma		A1 - B6 - F2		1	Pp	Pp	Pp, Ai, Af, Ap	HuB	P	C	?				
20F 04	059-270-60	8-LABU in part	Airport Business Center (Coombs) easement	W	County of Sonoma		Pp	2?	0	Pc		Pp, C/I	HuB	s, P	C	0	P/86-93	D		P
20F 05	59-271-26 59-271-27	10-LABU in part	'Shiloh Road horse ranch'	W	Walczuk ('Vicini' ?)		A1 - B7 - F2	37.5	0	Af, Ap	Ru, C/I ?	Rr, A, V	HwB, CfA	s, P	C	2	P/84, 88-93; G/86, 88; W/88	R, D	G	P (air), G
20F 06	163-26-01 163-26-09	10-LABU in part	Shiloh Center ('Heller Labs')	W	Kenedy, Robert 1370 Fulton Rd., Santa Rosa, 95403		M1	24.1	2	V, C/I	C/I	Rr, Ru, C/I	HwB	s, P	C	1	P/84, 93	D		P

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v, md, Uo	n	Z, I, Rr	0.2	0	60/1	-	-	-	-	RALO	Poa ann., Eryng. arist., Mentha, Lotus corn., Plagio. bract., Down. con., Hord. hys.			D	Ai	L
s, mw	n	Z, R	0.5?	0	?/1										Ai?	?
C, R, c, s, Uo, (v, mw)	n	Z, D, I, C, m, T	?			-	-	-	-	Q.	Lolium, Avena ... + Pleuro., Mentha, Juncus, Carex			D, M, C	Ai, C	?
c, Uo, Ug	N			0	0/2	-	-	-	-	Q.	annual grasses and oak woodland				Ai?, Pp?	N
"s","w"	A	t	?	?	10/3	E/6/87 E/4/88	-	-	-	-	Koelaria, Hypoch., Erod., Lyth., LABU, Poa ann., Medic.				C/I, Ai	N
s, d, a, w	A	w, t, j, A	(0.8)	0	10/2	E/5/88 X?/0/92	-	-			Hord. hys., Lol., Hypoch., Erod., Mentha (+ Lashtenia chrysostoma!)				C/I, Af, I, t	M
X	X					E/?/84? H/0/88 X/?/89										0
"v"	A	T, h	0.3	2	90/5	X/4/84 E/4/87 E/4/88 E/5/89 E/6/90	-	E/2/91 E/2/92 E/3/93	(NAPL/87)	PODOP, DOHU	Pleuro, Mentha, Plagio. bract., Eryngium arist.	P/88-92			t, o	N
v, V, s, Us, c	A, g	Gh, D	3+?	hist: 2 current: 1	hist: 50/2; current: 5/1	E/6/84 E/6/86 E/6/88 E/1/92 E/1/94	-	-	NABA/H	PODOP					Ru, C/I, Ah, Ac?	H
-	A	F, H, V, w	0 C	-	-	E/?/84 X/0/88	-	-			annual weeds, Hordeum, Hypoch,.Anag., Picris			D	C/I	L

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*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
20F 07	164-150-24	9-NAPL	Gossage property (Sanders Road)	W	Gossage, Maude		A1 B5 (20 ac min.)	7.39	2	Rr, Ap		Rr, Ap, Af	HuB	s, P	C	0	P/84, 89, 92, 93; G/86; W/88	R	G / CAS (NAPL)	P
20F 08	164-150-21	8-LABU in part	Hall property (Sanders Road)	W	Hall, Allen and Darian		A1 B5 (20 ac min.)	10	2	Rr, Ap, Ai, Ac		Rr, Ap	HuB	s, P	C	0	P/84, 89, 92, 93; G/86, 90; W/88	R	G / CAS (NAPL & NABA)	P
20F 09	164-150-38; 39; 40; 41; 42; 43; 44	8-LABU in part	North Skylane, east (Airport Business Center, north)	W	Airport Business Center				2	V, Af	C/I	C/I, V, Pp	HuB	(s, P)	C	0	P/84, 85, 90, 92; W/88	D		
20F 10	059-260-010	9-LABU	Sonoma County Airport, south end	W	County of Sonoma		A1 - B6 - F2	2	1	Pu	-	Pi	HuB	s, P	C	0	P/87, 88	D		P
20F 11	164-150-20		Windsor Water District/JC site	W	Windsor Water District		DA B5 (20 ac min.)	10	2	V, C/I	Pp?, Pi?	Pp, Rr, Ap	HuB	s, P	C	1	P/91, 93	D		P
20F 12	164-170-14 164-170-15		Sanders Road, south of Day Road (E of stock pond)	W	County of Sonoma			20	2	V, (Ap)	Pp?	Rr, Ap, Pp, Pi?	HuB	S, P	C	2	P/93, 94	D		
20F 13	164-150-13 164-150-14		Munderloh	W	Munderloh, Walter and Claire				2	Rr, Ap	?	C/I, Ap, V	HwB	P, s	C	0	P/84 (air), 89-93	C		P
20F 14	164-150-16		Skylane Business Park	W	Rand Graynor		A1 - B5	5.8	2	V, Ap	MP	C/I, Af	HuB, HwB	s, P	C	0	P/91, 92, 93, 94	D		P
20F 15	164-150-30; 31; 32; 33; 34; 35; 36; 37		North Skylane, west	W					2	V	C/I?	C/I, Pp, Ap, V	HuB, HwB	s, P	C	0	P/84 (air)	C		P (air)
20F 17	59-271-13		Piombo W. central	W	Piombo Construction		M?	51.81	3	C/I	C/I +?	C/I, V, Af	HwB	P	C	1	P/84 (air)	C		P (air)

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v, c, r	n	Gs	0.7?	1	25/2	E/5+/84 E/4/86 E/3/88 E/3/92 E/?/93	-	-	NAPL		LABU, Down. con., Psilo., Pogog. zizy., Erod., Plantago, Mim. tri., Anthoxanthum			D	Gs, Rr	H
v, s	A, N	Rr, Z, g, C	0.7?	Hist.: 3 Current: 1	0/4	E/6/84 E/5/86 E/4/88 E/3/92 E/2/93	-	-	NAPL, NABA	Trifol. grayi	Down. con., LABU, Hord. hys., Erod., Ortho., Brod. mult.!, Plagio. bract.			D	Rr, A, I, f, g, Zh	L
(v, s), d	A	C/I, G, F	(0.5)	0	(5/2)	E/2/84 E/2/85 E/4/88 X/0/90-93	-	-	-	-	wheat, fava beans				Af, C, C/I	M
"v"	A	I, C/I	0.2	-	80/1	E/6/84 E/6/87 E/6/88	-	-	-	-	LABU, Down. con., Pleuro. cal., Mentha, Lyth.				C/I, Pi	N
s, Us	n, A in part	C/I, d, g	0.2	0	5/1	E/2/91 ?/0/93	-	-	-	Trifol. grayi	Trifol. grayi & barbig., Hypoch. Junc. ten., Koelaria, Bromus mol, Pleuro., Hord. hys., Lol.			D	C/I, Af, Pp? Pi?	L?
S, s, Uw	n	Z, w, T	1	0	20/2	E?/?/84 (air) ?/0/93 x/0/94	-	-	-	Trifol. grayi	Vulpia, Koelaria, Hypoch., Lol., Hord., Mentha, Juncus buf.			D	Af, Pp, Pi	H
s, (v)	A	D, g, I?, (Zh), f	0.5?	2	10/20'	E/6/84 E/?/91 E/0/92 ?/0/93					LABU, Hordeum, Psilocar., Erod., Hypoch., Brom. mol.				Af, Ai, G, F, C/I	H
v, s, d	a, g, f, d	Gh, t	0.2	Historic: 2 Current: 0	10/2	E/4/91 E/4/92 E/3/93 E/1/94	-	-		DOHU, Trifol. grayi	Vulpia, Koelaria, Hypochoeris, Deschamp., Rumex, Microcala,				C/I, Ah	M
(v, s)	a	D, (Z), G, h, w	?			E/?/84 X/0/92					Lol., Erod., Hypoch., Vulpia, Hord.				C/I	M
w (industrial excavations and ruts)	A	C/I	?	?	?	E/4/84 (air) E/?/91 X/0/93									C/I (graded late '93)	?

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*10 Contig.with — Contig. with other significant parcels? **0** = isolated, no other significant sites adjacent; **1:** undeveloped land adj., but no sig. wetlands; **2:** 1-3 adj. or < 20 ac sig. adj. land, **3:** 4 or > sig. adj. parcels or >20 ac sig. adj. land, **4:** >10 ac sig. adj. public land
*11 Current Use — A = Agriculture **Aw.** wastewater **Ao.** orchard **Ap.** pasture **Ar:** row crops **Av:** vineyard, **Ai:** irrigated, **Af:** hayfield, R = Residential **Rr:** rural **Ru:** urban. V = Vacant P = Public **Pc:** conservation, **Pr:** recreation, park, **Ps:** school **Pp:** wastewater pond, **Pi:** wastewater irrigation, **Pu** public utility C / I, commercial/industrial
*12 Prop. Use — Proposed or likely future land use(s), (see # 11)
*13 Adj. Uses — Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils — Dominant soil (see SCS '72); (H) on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system: **S/s:** major / minor surface system, **G/g.** groundwater, **P/p:** perched water table, **F/f:** floodplain
*16 Restr. Layer — Restrictive soil layer ? **S_** dense surface clay (**Se:** entire profile = clay, **Ss.** compacted surface layer); **B_:** subsurface layer (**Bc:** clay, **Ba:** cemented alluvium, **Bo:** other),
*17 Watershed — **0:** less than 2 ac, **1:** 2-10 ac, **2:** 10-50 ac, **3:** > 50 ac
*18 Years Surv. — Investigator / yr: **P:** Patterson, **W:** Waaland, **G:** Guggolz, **H:** Harrison, **O:** Ornduff, **R:** Rubtzoff, **S:** WESCO, **M:** McCarten, **N:** Northern, **Q:** Quibell, **JS:** Jones & Stokes
*19 Level Surv. — **C:** casual, fence, airplane; **R:** reconnaissance, **D:** detailed (EIR, etc.); **P_:** Data proprietary: data given are from: **Pc:** CNPS, NDDB; **Pg:** gen'l knowledge, lit., or unrestricted access; **Pp:** submitted to an agency; **Pn:** NW Annex. EIR; **Ps:** SW Annex. EIR; **Pa:** air photos
*20 Vouchers — Voucher? (see # 18) / receptor site: **CAS:** Calif. Acad. Sci.; **JEP:** Jepson; **DAV:** UC Davis; **UC:** UC Berkeley; **JC:** SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: **V/v:** sig./minor vernal pools, **S/s:** swales, **R/r:** riparian, **P/p:** peren. marsh, **M/m_:** meadow (_w: wet, _d: dry). **C/c:** creek, **D/d:** ditch / flood channel, **A/a:** farmed wetlands, **F/f:** floodplain, **W/w** other wetlands, **N/n:** man-made pond, **U_:** other significant upland habitats (**Ug:** native grassland, **Uw:** wildflowers, **Uo:** oak woodland, **Us:** oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. — **N:** natural topog., ± unaltered (**n:** with minor alterations), **A:** hist. sig. altered (**a:** sig. altered, but stabile); **X:** completely graded/converted
*24 Influences — Major influences: **F/f:** major/minor fill, **G/g:** major/minor grading, **Z_:** grazed (_c: cattle, _s: sheep, _h: horses), **Y/y:** livestock yard, **D/d:** disked, **O/o:** mowed, **C/c:** cultiv., **I/i:** irrig., **J/j:** junk, **H/h:** hydrol. altered, **M/m:** manure, **E/e:** exotics, **W:** weeds, **T/t:** thatch, **V/v:** vehicles, **R/r:** residential use, **S:** wastewater; (__): hist.
*25 Acres Wet — Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. — Ratio of wet. to upland: **0** = trace wet. or less than 5 % of site, **1** = 5-10 % wet., **2** = 10-20 %, **3** = 20-50%, **4** = > 50 %
*27 Wet. Break. — % aquatic/no. of features: **1:** solitary, **2.** 2-5, **3:** 6-15, **4:** >15
*28 LABU — *Lasthenia burkei*: **E:** extant, **X:** extirp., **H:** hist./abund. class: **'0':** none, **0:** <10 plants, **1:** 10-100, **2:** 100-500, **3:** 500-1000, **4:** 1000-5000, **5:** 5000-10,000, **6:** 10,000-100,000, **7:** > 100,000 / year
*29 LIVI — *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA — *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. — Other sensitive spp: **NAPL:** *Navarretia pleiantha*, **NABA:** *N. bakeri*, **ALAES:** *Alopecurus aequalis sonomensis*, **TRAM:** *Trifolium amoenum*, **PLHO:** *Pleuropogon hooverianus*, **CAAL:** *Carex albida* ; (__): historic
*32 Secondary — **DOHU:** *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP:** *Pogogyne doug. parv.*, **PEGAG:** *Perideridia gairdneri g.*, **HECO:** *Hemizonia congesta*, **Q:** *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild. — **CTS:** CA tiger salamander, **LO:** CA linderiella, **VPS:** v. p. shrimp, **FS:** freshwater shrimp, **R:** raptors, **W:** waterbirds, etc., **Ai:** sig. aquatic invert.s, **Aa:** amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: **C:** crayfish, **B:** bullfrogs, **M:** mosquito fish, **D:** dogs/cats; **L:** *Lippia*, **P:** *Phalaris*, **X:** *Xanthium*, **G:** grasses
*37 Threats — Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. — Pot. for restor.: **H:** high (land use changes, minor manip.); **M:** medium (some landscape manipulation); **L:** low, major reconfiguration/grading required; **N:** none warranted; **0:** too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
20F 18	164-150-15		Piombo North	W	Piombo construction		M?	7	2	Rr	C/I ?	C/I, Rr, V	HwB	s, P	C	0?	P/84 (air)	C (air)		P (air)
20F 19	historic site; exact location unknown		Shiloh Road west, historic	W					0	R?			HwB	s, P	C	0	P/84 (air)	C		P (air)
20F 20	164-140-06		Shiloh Golf Course east	W	Airport Business Center			83.90		V, Af	Ru or C/I	Pr, Ah, V	HuB, HvC	s, P	C	1	P/94 in progress	D		
20F 21	164-130-11		Vet. clinic, Conde Lane	W	Woolsey, Denney, et al			7.51	1	C/I, V	C/I ?	V, Rr, C/I	HuB	s, P	C	0	P/92-94	D		
20F 22	164-130-06 164-130-15 164-130-10		Dowd/ Wilson Lane	W					1	V	?	Rr, C/I, Ap	HuB	s, P	C	1	P/92, 93	R		
20F 23	164-140-008		Henthorne	W	Henthorne ('Vosti' Tent. Map)			20.4	3	Ap, Rr	subdiv. into 4 lots, '87	Ap, C/I	HuB	s, P	C	1	P/93	R		
20F 24	163-130-21		Biocca	W	Biocca			5.59	1	Rr, Ap	C/I ?	Ru, Rr, V	HtA	s, P	C	0	P/93	R		
20F 25	163-172-011		Varvell	W	Varvell et al			11	0	V	Ru, C/I	Ru	HvC	s, P	C	0?	S/92	D		
20F 26	59-28-51		Wikiup Mitigation Bank	W	S.U.I. Corp.		commuinty separator ?	12	1	V	Pc	Ru, Rr, Av	HuB, YsA, ZaA	s, P	C	1	P/92, 93	D		P
20F 27	unknown		Old Redwood Hwy curve (Son. Co. Public Works site)	W					0	V	?, Pu (road widening)	Ru, C/I	HcC	s	?	0	P/93	D		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ P sts	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, d	a	Rr, A, C/I	?	0	?/1	E/3/84									C/I, Rr	? (0)
s, d	a	Rr, C/I	0.2?			E/?/84									C/I, Rr, A, I	?
s, d, C	n	Ah, I, G, H	?	?	?											
s, v, Ug	A	Af, C/I, Z	0.3	0	20/3	-	-	-	-	-	Pluero. cal., Mentha, Hord. hys., Lol., Vulpia, Hypoch., Las. glab., Juncus ten.				C/I, Af	?
(s, v, w), Us	A, Z	H, F	?	?	?										C/I	M
s, d, w, "n", Us	n	Zh, T, I	?	1	10/2						Lolium, Q. lobata			D	I, Z, Rr, Ru?	H
s	A	Z, w	0	-	-	-	-	-	-						C/I	L
s	N	D, Ac?	1.8 C	1	?/1	-	-	-			Danth., Hord. brachy., Limn. doug., Rumex, Mentha	S?		D	Ru	H?
s, Us	n	D, T	0.2	0	0/2	-	-	-	-	-	Lolium, Hord. hys.			D	T, Af	H
d, w	A	C/I, Rr	0.1		40/1	-	-	-	-	-	Rumex, Pleuro. cal., Xanth., Lol., Hord. hys.			D	Pu, Rr	L

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*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
20F 28	059-250-28		Shapiro	W	Arcturus Land Corp., 3617 Westwind Blvd. Santa Rosa			20 ?	1	V	C/I	C/I, V	HtC, ZaA	s, S, P	C	1	P/93	P		
20F 29	059-250-29		Westwind	W	Berg, Barnard and Adele			11.71	1	V	C/I ?	C/I, V	HtC, ZaA	?						
20F 30			Saris	W	Saris				1	V	C/I	V, Ru, Rr	HwB, CeA	s, P	C	1	P/93; S/93	R		
20F 31	163-130-24 163-130-25		Hembree Lane (Shiloh Center west)	W					1	V	C/I	Rr, C/I, V	HwB	s, P, (S)	C	1	P/93, 94	D		
20F 32	59-271-28		Standard Structures south	W	Calletti		M1 ?	78.25	1	V, C/I	C/I	C/I, V, Af	HwB	s, P	C	1?	P/89, 92	D		P
20F 33	059-340-04	8-LABU	Sarasy easement - set-aside	W	Lou Sarasy		MP / F2	0.4	1	V	C/I	C/I, Pp, Pc	HuB	s, P	C	0	H/81; P/84-93; G/86	R, D	H/JC	P
20F 34	059-300-01		Williamson site, Shiloh Road east ('Shiloh Oaks'?)	W	Williamson ?		UA BG 20ac	62	2	V, Ap	?	Ap, Rr, Ru	YsA, HuB	s, S, P	C	1	P/89	D		
20F 35	059-31-40 059-31-41		104 Shiloh Road (Tremblay)	W	Tremblay			11.6	1	V	Ru?	Rr, V, Af	HtA	s, P	C	1	P/90, 92, 93	D		
20F 36	164-150-01		Shiloh Road at Day Road, SE	W	Murell, John M. 1383 Windsor River Road, Windsor			8.5	1	Af, Ai, Rr		Rr, Ap, Af	HuB, HwB, HvC	S, s, P	?	1	P/92	D		
20F 37	164-150-02		Day Road south of Shiloh	W	Canellos 6880 Day Road, EWindsor			3.5	2	Rr, Ai		Rr, Ap, Af	HuB	s	?	0	P/92	D		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
	A														C/I	?
															C/I	?
s	n	Af, t	0.6	0	0/3						Lol., Hord. hys., Rumex, Danth., Juncus ten.				C/I	N
s, v, c, Ug, r	n	Zh, T	0.8 C	1	30/2	-	-	-	-	PEGAG, HECO?	Lol., Hord. hys., Pleuro. cal., Mentha, Rumex, Down. con., Frax.		<CTS, LO>	D	C/I	M
s, v	a	D, C, C/I, h, g	0.2 ?	0	20/1	E/4/89 E/4/92	-	-	-	-	Lol., Hord. hys., Mentha, Vulpia, Hypoch., Plagio. bract.				C/I, I, Af, H	L
v, s, w	n	C/I, T, D	0.2	1	90/2	E/3/81 E/3/84 E/1/89 ?/0/93	-	-	-	-	Pleuro. cal., Lol. Hord. hys., Rumex				C/I, T, w, j	L
s, v, mw, Us, Ug?, C, R	N	Ap, T	2 + ?	3	20/'3'	-	-	-	-	RALO, Q	Lolium, Hord. hys., Ran. mur., Carex, Juncus, Eleoch., Lilaea, Lim. doug. niv., Eryng. arist.				Ru?	H
s, v, Us	A, n	(Z), Rr	0.3	0	20/2	-	-	-	-	Trif. grayi, Q	Lolium, Hord. hys., Rumex, Lim. doug. nv., Pleuro., Plagio. bract.			D	Ru	M?
v, s, d	N	(Z), I, T	0.3	0	50/'2'	-	-	-	-		Pleuro., Glyc. occ., Down. con., Lilaea, Rumex, Lolium			D	Ai, R	L
s, d	N	(G), I, T	0.1	0	0/1	-	-	-	-	-	Lolium, Hord. hys., Bromus, Brass.			D	Ai, R	N

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*24 Influences Major influences: **F/f**: major/\minor fill, **G/g**: major/minor grading, **Z_**: grazed (_c: cattle, _s: sheep, _h: horses), **Y/y**: livestock yard, **D/d**: disked, **O/o**: mowed, **C/c**: cultiv., **I/i**: irrig., **J/j**: junk, **H/h**: hydrol. altered, **M/m**: manure, **E/e**: exotics, **W**: weeds, **T/t**: thatch, **V/v**: vehicles, **R/r**: residential use, **S**: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (**C**): confirmed by Corps of Eng.
*26 Wet./Up. Ratio of wet. to upland: **0** = trace wet. or less than 5 % of site, **1** = 5-10 % wet., **2** = 10-20 %, **3** = 20-50%, **4** = > 50 %
*27 Wet. Break. % aquatic/no. of features: **1**: solitary, **2**: 2-5, **3**: 6-15, **4**: >15
*28 LABU *Lasthenia burkei*: **E**: extant, **X** extirp., **H**: hist./abund. class: '0': none, **0**: <10 plants, **1**: 10-100, **2**. 100-500, **3**: 500-1000, **4**: 1000-5000, **5**: 5000-10,000, **6**: 10,000-100,000, **7**: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: **NAPL**: *Navarretia pleiantha*, **NABA**: *N. bakeri*, **ALAES**: *Alopecurus aequalis sonomensis*, **TRAM**: *Trifolium amoenum*, **PLHO**: *Pleuropogon hooverianus*, **CAAL**: *Carex albida* ; (__): historic
*32 Secondary **DOHU**: *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP**: *Pogogyne doug. parv.*, **PEGAG**: *Perideridia gairdneri g.*, **HECO**: *Hemizonia congesta*, **Q**: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. **CTS**: CA tiger salamander, **LO**: CA finderiella, **VPS**: v. p. shrimp, **FS**: freshwater shrimp, **R**: raptors, **W**: waterbirds, etc., **Ai**: sig. aquatic invert.s, **Aa**: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: **C**: crayfish, **B**: bullfrogs, **M**: mosquito fish, **D**: dogs/cats; **L**: *Lippia*, **P**: *Phalaris*, **X**: *Xanthium*, **G**: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: **H**: high (land use changes, minor manip.). **M**: medium (some landscape manipulation); **L**: low, major reconfiguration/grading required; **N**: none warranted; **0**: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
20F 38	164-130-05		1101 Wilson Lane (Mickles)	W	Mickles				1	Rr, A	Ru?	V, Rr	HuB, HwB	s, P	C	1	P/90	D		
26A 01	057-080-26	2-LABU	Denner Ranch	L	Denner Ranches, Inc.			364.58	2	Ap, Ah		A	HtD	s, P	C	3	R/69; G/87	R	R/UC	
26A 02				W	City of Santa Rosa ?															
26A 03	057-070-43 057-070-44 059-200-20		Slusser Ranch	W	Slusser				1	Av, Rr, V		A	HtC, YnA, HwB	s, P	C	2	P/91	R		
26A 04	059-200-20		Laughlin Road Winery site	W	Kendall - Jackson ?			84.5	1	Av, V	C/I, Av	A, Rr	HvC, YsA, HwB	s, P	C	2	P/91, 93, 94; JS/92	R, D		
26A 05			lands of Laguens (at confluence of	W	Laguens					Af	Ai	A		S, f, P			P/92	D		
26B 01	034-041-13		San Miguel at Fulton, NE	N	Barnheart		A1	8.74	2	Rr	Ru?	Rr, Ap	CfA, HuB	s, P	C	1	P/88, 91, 92; ESA/90	R, D		
26B 02	originally part of 034-021-17 034-021-32 (now subdivided)		San Miguel Rancho	N			A1	(58)	(3)	Ru		Ru, Rr	HtC, HuB	(s, P)	C	2	P/88, 89; G/88; W/88	D		
26B 03	034-042-77		Alton Lane mitigation site	R	Cobblestone Development; to be deeded to CDFG		AE - B6	29	2	Pc	Pc	Rr, Av, Af	HtA, HvC	P, s	C	1	W/88; P/89-94	R, D		P
26B 04	034-05-10		Hartman Road near Piner Road west	R	Tesauro, Nicholas & Olga			69.66	3	Ap, Af		Ap, Af	HtA	P, S, s	C	2	W/88; G/90	C		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v	n	Z, I, M, R	0.6?	0	75/2	-	-	-	-		Pleuro, Xanth. Rumex, Lol., Down. con., Plagio. bract., Hord. hys., Mentha, Poa ann.			D	Ru, Ai, Ap	L
S, s, v, R, r, Pm, C	N/n	Gc, C, d, f				E/?/69 E/?/74 H/?/87				PODOP	Ortho., Lasth. glab., Pleuro. etc.				A, G, C, I, D	H
s, (v), r, a, N	a/A	C, I, d, Rr		1		-	-	-							Rr, A	L
s, v, d, C, R, w, a	a	Av, d, I	0.5	0	10/2	-	-	-			Lolium, Rumex, Hord. hys., Xanth.		0	D	C/I	L
s, C, R, a	a	C, I, D		0		-	-	-								L
s, v	n	Z, Rr, T	0.2	1	70/2	E/1/88 H/'0'/90 H/'0'/91 E/1/92	-	E/2/88 H/'0'/90 H/'0'/91 E/2/92		RALO	Pleuro., Down., Lilaea, RALO, BLBA, Hord. hys., Lolium			D	Ru, T, z, Rr	H/N?
(s, V, v)	X		(2.7)	(2)	(70/3)	E/4/88 E/4/89 E/4/90 X/-/92	-	E/5/88 E/5/89 E/3/90 X/-/92		(RALO)	Pleuro, Lasth., Down., Eryng.,					0
"V", "v", S, s, v, md, Uo, Ug, Uw	n, A	t, Rr, h, E	7+	3	60/40	?/0?/88 E/5/89 E/6/90-94	E/1/93 E/1/94	E/4?/88 E/7/89-94		DOHU, RALO, PODOP	Pleuro. cal., Down. con., Plagio. bract., BLBA, Hord. hys., Danth. cal., Mentha	P	LO	D	Rr, t	N
V, S, v, s, Uo	n	Z				E/1/88 E?/-/90		E/4/88 E?/-/90			Quercus				A	H

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*2 A.P. No.s — Sonoma County Assessor's Parcel number(s)
*3 EO No. — Element Occurrence number with CNDDB (# - Species)
*4 Place Name — General location name or description
*5 Geog. Sub- — **W:** Windsor, **L:** Laguna, **U:** urban Santa Rosa (SR), **S** SW SR, **N:** NW SR, **E:** E SR, **P:** S SR Plain; **R:** rural SR, **C:** Cotati
*6 Owner — Owner of site
*7 City Photo — Flight line number, SR city air photo (200-scale)
*8 Zoning — Zoning/Gen Plan ; _/Co = county, __/Ci = city
*9 Site size — Approx. acreage of site (generally one parcel)
*10 Contig with — Contig with other significant parcels? **0** = isolated, no other significant sites adjacent; **1:** undeveloped land adj., but no sig. wetlands; **2:** 1-3 adj. or < 20 ac sig. adj. land; **3:** 4 or > sig adj parcels or >20 ac sig. adj. land; **4:** >10 ac sig. adj. **public** land
*11 Current Use — A = Agriculture **Aw:** wastewater **Ao.** orchard **Ap:** pasture **Ar** row crops **Av** vineyard, **Ai:** irrigated, **Af:** hayfield, R = Residential **Rr** rural **Ru:** urban. V = Vacant P = Public **Pc:** conservation, **Pr** recreation, park, **Ps:** school **Pp.** wastewater pond, **Pi** wastewater irrigation, **Pu.** public utility C / I: commercial/industrial
*12 Prop Use — Proposed or likely future land use(s); (see # 11)
*13 Adj. Uses — Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils — Dominant soil (see SCS '72); (H): on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system: **S/s:** major / minor surface system, **G/g** groundwater, **P/p:** perched water table, **F/f** floodplain
*16 Restr. Layer — Restrictive soil layer ? S_: dense surface clay (**Se:** entire profile = clay, **Ss:** compacted surface layer), B_: subsurface layer (**Bc:** clay, **Ba.** cemented alluvium, **Bo:** other),
*17 Watershed — **0** less than 2 ac, **1:** 2-10 ac, **2:** 10-50 ac, **3** > 50 ac
*18 Years Surv. — Investigator / yr: **P:** Patterson, **W:** Waaland, **G:** Guggolz, **H:** Harrison, **O:** Ornduff, **R:** Rubtzoff, **S:** WESCO, **M:** McCarten, **N:** Northern, **Q:** Quibell, **JS:** Jones & Stokes
*19 Level Surv. — **C:** casual, fence, airplane; **R:** reconnaissance, **D:** detailed (EIR, etc.); P_: Data proprietary: data given are from: **Pc:** CNPS, NDDB, **Pg:** gen'l knowledge, lit., or unrestricted access; **Pp:** submitted to an agency; **Pn:** NW Annex. EIR; **Ps:** SW Annex. EIR; **Pa:** air photos
*20 Vouchers — Voucher? (see # 18) / receptor site: **CAS:** Calif. Acad. Sci.; **JEP:** Jepson; **DAV:** UC Davis; **UC:** UC Berkeley; **JC:** SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: **V/v:** sig./minor vernal pools, **S/s:** swales, **R/r:** riparian, **P/p.** peren. marsh, **M/m_:** meadow (_w: wet, _d: dry), **C/c:** creek, **D/d:** ditch / flood channel, **A/a:** farmed wetlands, **F/f:** floodplain, **W/w** other wetlands, **N/n:** man-made pond, **U_:** other significant upland habitats (**Ug:** native grassland, **Uw:** wildflowers, **Uo:** oak woodland, **Us:** oak savanna). (__): historic; "__" = man-made habitat
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*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21	
26B 05	034-050-12 034-050-14		Maccario's oaks (Piner Rd west)	R	Maccario, Anthony et al		AE B6	50	3	Ap, Af		A	HtC	P, s	C	1	W/88; G/90	R			
26B 06a	034-060-11	15-BLBA in part	Comalli West (oak woodland)	R	Comalli, Lena		A1 - B6		1	Rr, V		Av, Ap			C	1?					
26B 06b	034-060-12	21-LABU 15-BLBA	Comalli/Simi Winery easement (fronts on Piner Road)	R	Simi Winery			0.5 (119.63)	0	Pp	Pp	Av, C/I	HuB, HvC	s, P	C	0 (2)	G/86, 90, 91; W/88; P/91	C, D		P	
26B 06c	034-060-12	21-LABU 15-BLBA	'Comalli North' extreme NE corner of Simi parcel	R	Simi Winery			1.0 (119.63)	1	Av	Av	Av, Af		P	C		W/88; P/91	C			
26B 07	034-081-33	13-LABU 11-BLBA	Abramson Road No. 1 (Piner H.S. area) (Emigh)	R	Emigh, Frederick M.		A1 - B6 (Co.)	8.18	2	Rr, Av	Rr	Rr, Ap	HuB	s, P	C	2	H/76,88; G/88,90; W/88	R			
26B 08	034-290-19		Oak farm/Frazee	R	Frazee, Willard and Carin		RR - B5 (Co.)	1.95	1	Rr		Rr, Ap	HuB	P, s	C	1	W/88				
26B 09	034-080-41 034-81-56 034-81-58		Santa Rosa scenic easement 224	R	City of Santa Rosa		A1 - B6, B7 (Co.)	49.10	3	Ap	Ap, Rr?	Ap, Rr	HvC, HuB	P, s	C	2	W/88; G/93	C			
26B 10	034-101-16		Abramson Road No. 2 (Piner H.S. area) (Boutz)	R	Boutz, Francis and Pauline		A1 - B6 (Co.)	10	2	Ap	Ap	Ap, Rr	HuB	s, P	C	2	W/88; G/88, 90	R			
26B 11	034-101-15		Abramson road No. 3 (Piner H.S. area) (Stone)	R	Stone, Chester and Nellie		A1 - B6 (Co.)	7	2	Ap, Rr	Ap, Rr	Ap, Rr	HuB	s, P	C	2	W/88, G/88, 90	R			
26B 12	034-091-39		Paradise Lane # 1 (Jinks)	R	Jinks, Don		A1 - B6 (Co.)	15	2	Rr, Ac	Rr, A	Rr, Ap, Av, Ah	HuB	s, P	C	1	W/88; G/90; P/92	C, R	G/UC		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
v, s, Uo, Ug	N	Zc				-	-	E/4/88	-	-					Ap	H
	N					?		H/?/90							Rr	N
v, s	n	Z, Av, Ai, w, t	0.3 (3+)	2	20/2	E/2/88 E/2/90 E/2/91		E/6/86 E/2/90 E/2/91			Lol., Hord.hys.				Av, T, I	L
(s, v)	a	Av, I	0.2			E/?/88 E/5/91	-	E/?/88 E/6/91		RALO					Av, I	L
s, v	A	z, j, w, f, d				E/?/82 H/0/88	-	E/2/88 E/2/90		PODOP	non-native annuals, v.p. spp., Mentha	H?		D	Rr, F,	M
v, Uo, Us	n/A	Rr			?/2			E/2/88			v.p. spp., landscaping			D	Rr, w	L
V,v, S, s, Us, Ug	n	Zc			?/3	-	-	E/6/88							G, Rr, w, m, t	H
S, s, v	n/a	Zh, R, m, w, t		2?	?/3?	-	-	E/6/88 E/6/90			non-native annuals, v.p. spp.			D	Rr, Ru, A, Z	H/N?
S, s, v	n	Zh, R, m, w, t		2?	?/2?	-	-	E/5/88 E/5/90	-	-	non-native annuals, v.p. spp.			D	Rr, Ru, Ap, Z	H
S, s, (v)	n/a, G, F	(Z), C, D, Z, f	(3) 1.6	1	30/2	-	-	E/3/88 E/4/90 E/3/92		RALO	Pleuro., Plagio. bract., Down. con., Hord. hys., Lolium, Rumex			D	Rr, C, I?, D, G	H

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*11 Current Use A = Agriculture Aw: wastewater Ao: orchard Ap pasture Ar: row crops Av. vineyard, Ai. irrigated, Af hayfield, R = Residential Rr: rural Ru: urban. V = Vacant P = Public Pc: conservation, Pr recreation, park, Ps: school Pp: wastewater pond, Pi: wastewater irrigation, Pu: public utilityC / I: commercial/industrial
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*17 Watershed 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
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*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d: dry). C/c. creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__): historic; "__" = man-made habitat
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*28 LABU *Lasthenia burkei*: E: extant, X: extirp., H: hist./abund. class: '0': none, 0: <10 plants, 1: 10-100, 2: 100-500, 3: 500-1000, 4. 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM: *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. CTS: CA tiger salamander, LO: CA linderiella, VPS: v p. shrimp, FS: freshwater shrimp, R: raptors, W: waterbirds, etc., Ai: sig. aquatic invert s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats; L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 13	034-091-12		Paradise Lane # 2	R	Szeto		A1 - B6 (Co.)	3.39	2	Rr		Af, Av, Rr	HtC	s, P	C	1	W/88; G/90	C		
26B 14	originally part of 034-023-14 (now subdivided)		TMB Brown Subdivision	N			R?	10.83	(3)	Ru	Ru	Rr, Ru	CtA, CfA	s, P	C	1	P/88, 89; G/88	R, D		
26B 15	subdivided	10-BLBA 20-LABU	San Miguel Road - San Miguel Estates No. 1	N	Cobblestone Development (now developed)			7.96		Ru	Ru	Rr, Ru	HuB				H/78; G/86; P/89-93	R, D		P
26B 16	034-023-16		San Miguel Estates No. 2 north	N	Cobblestone Development			3.33	2	Af, Rr	Ru	Rr, Ru	CtA	s, P	C	1	P/88, 89, 93	D		P
26B 17	subdivided	13-BLBA	Westwood Village	U	misc. subdivided					Ru		Ru	HuB				G/86, 88; W/88	R		
26B 18	034-030-71		Francisco elbow	N	Francisco Joint Venture		A1 B6	3.84	1	Rr, Af, Ap	Ru	Rr, Ap	CfA, HtC	s, P	C	0	G/88; W/88; P/89, 92	C, D		P
26B 19	059-070-61		Raplee Terrace	N	Swansen		RR		1	Rr, V	Ru?	Rr, Ru, V	HtC	P, s	C	1	G/88, 90	C		
26B 20	157-020-09 157-020-01		Hemmerle/ Pitzel; S of Piner H.S.	R	Pitzel (IN)			37.92	3	V	Ru?	Rr, Ap, V	HuB	s, P	C	2	W/88; G/88	R		
26B 21	034-021-29 now subdivided		Rancho San Miguel No. 2	N	misc.			(2.36)	(2)	Ru		Ru	HuB				P/88; G/88; W/88	R		
26B 22	034-023-01 034-023-02 ? 034-023-03 ?		San Miguel Road ('Manes')	N	Manes			8.94	1	Rr	Ru?	Ru	HuB	s, P	C	1	P/88, 89; W/88	R		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
v, s	a	Rr, j, w, C	0.1?	0	?/1			E/2/88 E/2/90			non-native annuals			D	R, Av, W, I	L-M
(v, d, w)	(a)	Af, Rr	(4+)	(3)	(20/2)	E/4/88 E/3/89 X/-/93	-	E/2/88 E/2/89 X/-/93		(RALO) (PODOP)						0; subdivided
(V, S, v, s)	X		(3.5)			E/4/86 E/4/89 H/0/91 X/-/92-93		E/5+/78 E/6/86 E/7/90 E/2/91 X/-/93		RALO						0; subdivided
(w)	A		(.5)	(1)	(10/2)	E/5/88 E/5/89 X/-/93	-	E/2/88 X/-/93		RALO						L
(s, v)	X					E/?/86 E/?/88 X/-/9?										0; subdivided
v, s, Ug	n/N	Z, Rr, j, w, T	2.6	2	30/1	E/2/88 E/4/92	-	E/3/88 E/5/92		RALO	Pleuro., Rumex, Glyc., Lol., Hord. hys.,			D	Ru, Ap, Af, Ai?, Rr	H
v, s	a/n	V, r, d?	?	2	?/2	E/?/?		?/88		RALO				D	Ru, A, Rr, V	H
S, s, V, v, r, Uo, Us	n/N	Z, w, t, D		2	?/2			E/6/88			annual grassland				Rr, t, Ao, Ap	H
(s, v)	X							E/2/88 X/-/92								0
s, v	a/n	Rr, Ap, d	1.5	2	10/2	E/6/88 E/5/89	-	-			Hord. hys., lolium, Rumex, Down. con., Plagio.			D	Ru, Ap, V, D	M

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*4 Place Name — General location name or description
*5 Geog. Sub- — **W**: Windsor, **L**: Laguna, **U**: urban Santa Rosa (SR), **S**. SW SR, **N**: NW SR, **E**: E SR, **P**. S SR Plain; **R**: rural SR; **C**: Cotati
*6 Owner — Owner of site
*7 City Photo — Flight line number, SR city air photo (200-scale)
*8 Zoning — Zoning/Gen Plan , _/**Co** = county, __/**Cl** = city
*9 Site size — Approx. acreage of site (generally one parcel)
*10 Contig with — Contig with other significant parcels? **0** = isolated, no other significant sites adjacent; **1**: undeveloped land adj., but no sig. wetlands; **2**: 1-3 adj. or < 20 ac sig. adj. land; **3**: 4 or > sig adj. parcels or >20 ac sig. adj. land; **4**: >10 ac sig. adj. **public** land
*11 Current Use — A = Agriculture **Aw**: wastewater **Ao**: orchard **Ap**: pasture **Ar**: row crops **Av**: vineyard, **Ai**. irrigated, **Af**: hayfield, R = Residential **Rr**: rural **Ru**: urban. V = Vacant P = Public **Pc**: conservation, **Pr**: recreation, park, **Ps**: school **Pp**: wastewater pond, **Pi**: wastewater irrigation, **Pu**: public utilityC / I: commercial/industrial
*12 Prop. Use — Proposed or likely future land use(s); (see # 11)
*13 Adj. Uses — Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils — Dominant soil (see SCS '72); (**H**): on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system: **S/s**: major / minor surface system, **G/g**: groundwater,**P/p**: perched water table, **F/f** floodplain
*16 Restr. Layer — Restrictive soil layer ? **S_**: dense surface clay (**Se**: entire profile = clay, **Ss**: compacted surface layer); **B_**: subsurface layer (**Bc**: clay, **Ba**: cemented alluvium, **Bo**: other),
*17 Watershed — **0**: less than 2 ac, **1**: 2-10 ac, **2**: 10-50 ac, **3**. > 50 ac
*18 Years Surv. — Investigator / yr: **P**: Patterson, **W**: Waaland, **G**: Guggolz, **H**: Harrison, **O**: Ornduff, **R**: Rubtzoff, **S**: WESCO, **M**: McCarten, **N**: Northern, **Q**: Quibell, **JS**: Jones & Stokes
*19 Level Surv. — **C**: casual, fence, airplane; **R**: reconnaissance; **D**: detailed (EIR, etc.); **P_**: Data proprietary: data given are from: **Pc**: CNPS, NDDB; **Pg**: gen'l knowledge, lit., or unrestricted access; **Pp**: submitted to an agency; **Pn**: NW Annex. EIR; **Ps**: SW Annex. EIR; **Pa**: air photos
*20 Vouchers — Voucher? (see # 18) / receptor site: **CAS**: Calif. Acad. Sci.; **JEP**: Jepson; **DAV**: UC Davis; **UC**: UC Berkeley; **JC**: SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: **V/v**: sig./minor vernal pools, **S/s**: swales, **R/r**: riparian, **P/p**: peren. marsh, **M/m_**: meadow (_w: wet, _d: dry), **C/c**: creek, **D/d**: ditch / flood channel, **A/a**: farmed wetlands, **F/f**: floodplain, **W/w**: other wetlands, **N/n**: man-made pond, **U_**: other significant upland habitats (**Ug**: native grassland, **Uw**: wildflowers, **Uo**: oak woodland, **Us**: oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. — **N**: natural topog., ± unaltered (**n**: with minor alterations); **A**: hist. sig. altered (**a**: sig. altered, but stable); **X**: completely graded/converted
*24 Influences — Major influences. **F/f**: major/minor fill, **G/g**: major/minor grading, **Z_**: grazed (_c: cattle, _s: sheep, _h: horses), **Y/y**: livestock yard, **D/d**: disked, **O/o**: mowed, **C/c**: cultiv., **I/i**: irrig., **J/j**: junk, **H/h**: hydrol. altered, **M/m**: manure, **E/e**: exotics, **W**: weeds, **T/t**: thatch, **V/v**: vehicles, **R/r**: residential use, **S**: wastewater; (__): hist.
*25 Acres Wet — Est. wetland acreage (**C**): confirmed by Corps of Eng.
*26 Wet./Up. — Ratio of wet. to upland: **0** = trace wet. or less than 5 % of site, **1** = 5-10 % wet , **2** = 10-20 %, **3** = 20-50%, **4** = > 50 %
*27 Wet. Break. — % aquatic/no. of features: **1**: solitary, **2**: 2-5, **3**: 6-15, **4**: >15
*28 LABU — *Lasthenia burkei*: **E**: extant, **X**: extirp., **H**: hist./abund. class: '0': none, **0**: <10 plants, **1**: 10-100, **2**: 100-500, **3**: 500-1000, **4**: 1000-5000, **5**: 5000-10,000, **6**: 10,000-100,000, **7**: > 100,000 / year
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*32 Secondary — **DOHU**: *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP**: *Pogogyne doug. parv.*, **PEGAG**: *Perideridia gairdneri g.*, **HECO**: *Hemizonia congesta*, **Q**: *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild. — **CTS**: CA tiger salamander, **LO**: CA linderiella, **VPS**: v. p. shrimp, **FS**: freshwater shrimp, **R**: raptors, **W**: waterbirds, etc., **AI**: sig. aquatic invert.s, **Aa**: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: **C**: crayfish, **B**: bullfrogs, **M**: mosquito fish, **D**: dogs/cats; **L**: *Lippia*, **P**: *Phalaris*, **X**: *Xanthium*, **G**: grasses
*37 Threats — Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. — Pot. for restor.: **H**: high (land use changes, minor manip.); **M**: medium (some landscape manipulation); **L**: low, major reconfiguration/grading required; **N**: none warranted; **0**: too altered, no real potential

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Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Lev l of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 23	subdivided ??		San Miguel Road ('Marovich)	N	Marovich				2	Rr	Ru	Ru	HuB	s, P	C	0	P/88; W/88	R		
26B 24	034-021-22	19-LABU	Pioneer 2000	N	Pioneer 2000 apartments			(10)	0	Ru	Ru	Ru	HuB	P	C	0	P/88-93; W/88	D		P
26B 25	034-050-26		Wood Road elbow NW	R	Sprague, Lewis and Delores			4.95	1	Ap	?	Rr, Ap, V	HvC	P, s	C	1	G/88, 90; W/88	R	G	
26B 26	034-091-27	9-BLBA	Piner @ Fulton, SW; SE of Piner School	R	Fraseri (WA)		A1 - B6 (Co.)	12.81	2	V	Ru?	Pr, Pu, Ru	HvC	s, P	C	0	W/88; H/89; G/86,88,90; P/89-94; Eakins/91	R	H/JC, G/UC	P
26B 27	034-091-18	19-BLBA	SW of Piner @ Fulton/ Imwalle	R	Imwalle		A1 - B6 (Co.)	49.35	3	Ap, Av	Av, Ap, Rr	Rr, Av,Pr	HtC, HtA	s, P	C	2	H/82; G/86,89; W/88	R	H/JC	
26B 28	034-101-69		Abramson Road No. 4 (Bainbridge east)	R	Szabo			4.26	1	Rr	Rr	Rr, Pc	HuB	s, P	C	0	H/88; G/88; Huntington/ 90	R	H/JC; G/UC; Hunt./?	
26B 29	034-101-70		Abramson Road NW ('Bainbridge West', preserve)	R	Brown, T. CDFG?			8	2	Pc, Ap	Pc	Ap, Rr	HuB	(S), s, P	C	2	?/88?; P/92	R		
26B 30	059-040-04		Bertolone - Wood Road	R	Larry Bertolone		DA B6	21.27	3	Rr, Ap	> Rr	Rr, Ap	HtC	P, S	C	2	N/93	D		
26B 31			Alton Lane South	R	CDFG?			6?	2	Pc	Pc	Pc, Rr, Av		"s", P	C	1	P/89-93; Monk/92, 93	D		P
26B 32	034-042-68		Alton Lane E (man-made ditch)	R	Giblin, J. and J.		RR BG 3ac	3.05	2	Rr		Rr		S, P	C	2	P/89-93	C		P

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ P sts	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v	(n)	Rr, Z, T	.5	1	10/1	E/2/88	-	-			Hord. hys., lolium, Rumex, Down. con., Pagio.			D	Ru, Ap	M
v	a	Ru, w, t	0.1	4	90/1	E/4/88-89;0/90, 93 1/91,94 2/92	-	-			Hord. brachy., Lolium, Rumex		0	D	Ru, j, T	L/N
v, s	a	Ap, Zs	?		?/2	E/4/88 E/?/90									Ap, Zs, Rr	M
s, v, Ug, Us	a/n	D, R, Ap, V	0.3?	1	0/2	-	-	E/5/86 E/4/88 E/4/89-94			Blenno. nanum, BLBA, Hord. hys., Lol., Ortho., Danth. cal., Plagio., Navarr. sp.			D	Ru, Rr, A	M
S, s, v, Ug	n, a	A, Z	?	2				E/4/88		DOHU	Danth. cal., Ortho., Hemiz. virg.			D	Av, Rr, Af, t	H
s, (v), (Ug)	a	Z, w, f, g, h		0 (2)	0/2	E/5?/88 E/3/89 X/0/91-93	-	-	(NABA)	HECO, Q.	Bromus mol., Vulpia, Antho., Erod., (Plagio., Navar., ...), Hord., Lolium	H?		D	Rr, A, I, C, F	H
S, s, V, v, "v", Uo	n	Zh, w, t, f		2	80/2	E/4/92	-	-		RALO	Pleuro., Hord., Mentha, Lolium, Q. garry.,			D	G, T, Rr	N
V, S, s	N	Z, D, h, m, g	2.1 ?	2	80/"16"	-	-	E/4/93	-	RALO, DOHU	Pleuro. cal., Lilaea, Juncus, Gratiola, Eryngium arist., Callit., Plagio. bract., Down. con.	N/93	0	D	Rr, Z, M	H
S, "s", "v"	A	created topog.		3	90/3	-/-/89 E/1/92 E/4/93		-/-/89 E/2/93		PODOP	Pleuro., Lilaea, Down., Plagio., Eryng., Callit.		0	D	Rr, w	N
D	A	Rr				E/2+/91-93		E/6/91 E/6/92 E/6/93							Rr	?

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*11 Current Use — A = Agriculture Aw: wastewater Ao. orchard Ap: pasture Ar: row crops Av: vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr: rural Ru. urban V = Vacant P = Public Pc: conservation, Pr: recreation, park, Ps: school Pp: wastewater pond, Pi: wastewater irrigation, Pu: public utilityC / I. commercial/industrial
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*38 Rest. Pot. — Pot. for restor.: H: high (land use changes, minor manip.); M medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 33	034-030-70		'Jacobsen'	N	Jacobsen			28.49	3	Af, Ap, Rr	Ru, C/I?	Rr, Ap, Af	HtC, CtA, HuB	s, P	C	2	P/88, 90, 92; ESA/90	R,Pn, Pa; D		P
26B 34	034-030-67		'Morrison Homes' WNW ('Ramon')	N	Ramon			19.59	3	Rr, Ap, Af	Ru	Rr, Af, Ap	HwB, HtC, HtA, CfA	s, P	C	2	P/88, 91-93; ESA/90	R, D		
26B 35	034-030-72		'Morrison Homes' South ('Matter')	N	Matter			28.83	3	Rr, Ap	Ru	Rr, Ap, Af, V	HuB, HtC, CfA	s, P	C	2	P/88, 91-93; ESA/90	R, D		P
26B 36	034-030-12		'Morrison Homes' NE	N	26B				2	Af	Ru	Rr, Ap, Ah		P	C	1	P/88, 91-93; ESA/90	D		
26B 37	034-030-65		NW Annexation area ('Cia')	N	(Cia ?)			9.67	2	Ah, Rr	Ru	Rr, Ap, Af	CfA, HuB	s, P	C	1	P/88, 91-93; ESA/90	D, R		
26B 38	034-022-02		NWSR Annex. 'Craigie & Johnson'	N	Craigie and Johnson			5.22	3	Rr, V	Ru	Rr, Ap	CfA, HtC, HuB	P	C	0	P/88, 91-93; ESA/90	R, D		P
26B 39	034-022-01		NWSR Annex. 'Stewart & Sachs'	N	Stewart and Sachs			5.23	3	Rr, Ap, V	Ru	Rr, V, Ap	HuB	s, P	C	0	P/88, 91-93; G/88; ESA/90	R, D, Pa, Pn		
26B 40	034-022-03		NWSR Annex. 'Stipinovich'	N	Stipinovich			5.22	3	Rr, Ap	??	Rr, Ap, Af, V	CfA, HtC	s, P	C	0	P/88, 91-93; ESA/90	R, D		P
26B 41	034-170-43 034-170-46 034-170-47		Mary's Meadows - set-aside	N				0.5?	0	V	Ru	Ru		s, P	C	0	P/88; S/92; P/93	R, D		
26B 42	originally part of 034-021-09 now subdivided		Seville Estates set-aside ('Cowan', 'Tolletson')	N				3	2	Ru		Rr, Ru	HuB	P	C	0	P88, 90-93; G/89	D		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	S condary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
S, s, V, v, mw, Uw	n	Af, Ap, m, t, c	3.65 ?	2	80/3	E/3/88 E/5/90 E/1/92	-	E/2/88 H/'0'/90 H/'0'/92		RALO	Pleuro, Plagio. bract., Down. con., Las. glab., Eleoch., Hord. hys., Lolium, Ortho. fauc.	P		D	Ru, Rr, Af, Ap, c	H/N
S, s, v, w	n	Z, R, M, w, T	2.85 C	2	30/2	-	-	E/3/88 E/3/90 E/'0'/91 E/5/92 E/1/93		RALO	Pleuro, Plagio. bract., Down. con., Las. glab., Hord. hys., Lolium, Ortho. fauc.		0	C, M, D	Ru, Ap, M, T, Af	H
s, v, d, Uw	a	Z, (C), w	6.07	2	20/3	?/'0'/88 E/0/93		?/'0'/88 E/3/90 H/'0'/91 E/0/92 E/2/93		RALO	Pleuro, Plagio. bract., Down. con., Las. glab., Hord. hys., Lolium, Ortho. fauc.		0	C, B, M, D	Ru, Ap, M, T, Af, d	M
a, d	A	C, T	0.1 C	0		-	-	-			Loliu, Hord., Lupin., + winter wheat, Vicia, Brassica		0	D	Ru	L
s, v	n	Z, R, t, w, d, o	0.8	1	50/2	-	-	E/2/88 E/3/90 E/3/92 E/3/93		RALO	Pleuro., Down., Plagio., Brod. pedunc.		0	D	Ru, Rr, A f	H
s, v, Ug	n	Z, T, Rr, g, f, w	0.3	1	10/2	E/3/88 E/?/90 E/1/91 E/3/92, 93	-	-			Hord. hys., Lolium, Down. con., Pleuro., Rumex		0	D	Ru, T, J, Ap, f, g	M/N?
s, v	n	Z, T, Rr, f	0.45	2	40/2										Ru, T, Rr	?
V, s, Uw, Ug	N	Z, Rr	1.2	3	80/1	E/6/88 E/6/90 E/4/91 E/6/92, 93	-	E/6/88 E/6/90 E/5/91 E/6/92, 93		RALO	Pleuro., Down. con., BLBA, LABU, Rumex, Plagio., Ortho. fauc.			D	Ru, Rr	N
s	a	Ru,T	0.2		0/1	-/'0'/88 E/0/92 H/'0'/93	-	-			Hord., Lolium, Lasth. glag, Mentha		0	D	Ru, F, T, W, D	L
v	a	(Ao), t, w	0.1	4	80/1	E/3/88 E/2/89 E/4/93	-	-			Rumex, Hord. hys., lolium, Plagio. bract., Down. con.				Ru	L

*1 Map Code — Co. photo # + sequential # (contin. from Waaland, '89)
*2 A.P. No.s — Sonoma County Assessor's Parcel number(s)
*3 EO No. — Element Occurrence number with CNDDB (# - Species)
*4 Place Name — General location name or description
*5 Geog. Sub- — **W:** Windsor, **L:** Laguna, **U:** urban Santa Rosa (SR), **S:** SW SR, **N:** NW SR, **E.** E SR, **P:** S SR Plain; **R.** rural SR; **C:** Cotati
*6 Owner — Owner of site
*7 City Photo — Flight line number, SR city air photo (200-scale)
*8 Zoning — Zoning/Gen Plan ; __/**Co** = county. __/**Ci** = city
*9 Site size — Approx. acreage of site (generally one parcel)
*10 Contig with — Contig. with other significant parcels? **0** = isolated, no other significant sites adjacent; **1:** undeveloped land adj , but no sig. wetlands; **2:** 1-3 adj. or < 20 ac sig. adj. land; **3:** 4 or > sig adj. parcels or >20 ac sig. adj. land; **4:** >10 ac sig. adj. public land
*11 Current Use — A = Agriculture **Aw:** wastewater **Ao.** orchard **Ap:** pasture **Ar:** row crops **Av:** vineyard, **Ai:** irrigated, **Af:** hayfield, R = Residential **Rr:** rural **Ru:** urban. V = Vacant P = Public **Pc:** conservation, **Pr** recreation, park, **Ps:** school **Pp:** wastewater pond, **Pi** wastewater irrigation, **Pu:** public utilityC / I: commercial/industrial
*12 Prop. Use — Proposed or likely future land use(s); (see # 11)
*13 Adj. Uses — Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils — Dominant soil (see SCS '72); (H). on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system: **S/s:** major / minor surface system, **G/g:** groundwater,**P/p:** perched water table, **F/f:** floodplain
*16 Restr. Layer — Restrictive soil layer ? **S_:** dense surface clay (**Se:** entire profile = clay, **Ss:** compacted surface layer); **B_:** subsurface layer (**Bc:** clay, **Ba:** cemented alluvium, **Bo:** other),
*17 Watershed — **0:** less than 2 ac, **1:** 2-10 ac, **2:** 10-50 ac, **3:** > 50 ac
*18 Years Surv. — Investigator / yr: **P:** Patterson, **W:** Waaland, **G:** Guggolz, **H:** Harrison, **O:** Ornduff, **R:** Rubtzoff, **S:** WESCO, **M:** McCarten, **N:** Northern, **Q:** Quibell, **JS:** Jones & Stokes
*19 Level Surv. — **C:** casual, fence, airplane; **R:** reconnaissance; **D:** detailed (EIR, etc.); **P_:** Data proprietary: data given are from: **Pc:** CNPS, NDDB; **Pg:** gen'l knowledge, lit., or unrestricted access; **Pp:** submitted to an agency; **Pn:** NW Annex. EIR; **Ps:** SW Annex. EIR; **Pa:** air photos
*20 Vouchers — Voucher? (see # 18) / receptor site: **CAS:** Calif. Acad. Sci.; **JEP:** Jepson; **DAV:** UC Davis; **UC:** UC Berkeley; **JC:** SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: **V/v:** sig./minor vernal pools, **S/s:** swales, **R/r:** riparian, **P/p:** peren. marsh, **M/m_:** meadow (_w: wet, _d: dry). **C/c:** creek, **D/d:** ditch / flood channel, **A/a:** farmed wetlands, **F/f:** floodplain, **W/w.** other wetlands, **N/n:** man-made pond, **U_:** other significant upland habitats (**Ug:** native grassland, **Uw:** wildflowers, **Uo:** oak woodland, **Us:** oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. — **N:** natural topog., ± unaltered (**n:** with minor alterations); **A:** hist. sig. altered (**a:** sig. altered, but stabile); **X:** completely graded/converted
*24 Influences — Major influences: **F/f:** major/minor fill, **G/g:** major/minor grading, **Z_:** grazed (_c. cattle, _s: sheep, _h: horses), **Y/y:** livestock yard, **D/d:** disked, **O/o:** mowed, **C/c:** cultiv., **I/i:** irrig., **J/j:** junk, **H/h:** hydrol. altered, **M/m:** manure, **E/e:** exotics, **W:** weeds, **T/t:** thatch, **V/v:** vehicles, **R/r:** residential use, **S:** wastewater; (__): hist.
*25 Acres Wet — Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. — Ratio of wet. to upland: **0** = trace wet. or less than 5 % of site, **1** = 5-10 % wet., **2** = 10-20 %, **3** = 20-50%, **4** = > 50 %
*27 Wet. Break. — % aquatic/no. of features: **1:** solitary, **2.** 2-5, **3:** 6-15, **4** >15
*28 LABU — *Lasthenia burkei*: **E:** extant, **X:** extirp., **H.** hist./abund. class. **'0':** none, **0:** <10 plants, **1:** 10-100, **2:** 100-500, **3:** 500-1000, **4:** 1000-5000, **5:** 5000-10,000, **6:** 10,000-100,000, **7:** > 100,000 / year
*29 LIVI — *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA — *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. — Other sensitive spp: **NAPL:** *Navarretia pleiantha*, **NABA:** *N. bakeri*, **ALAES:** *Alopecurus aequalis sonomensis*, **TRAM:** *Trifolium amoenum*, **PLHO:** *Pleuropogon hooverianus*, **CAAL:** *Carex albida* ; (__): historic
*32 Secondary — **DOHU:** *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP:** *Pogogyne doug. parv.*, **PEGAG:** *Perideridia gairdneri g.*, **HECO:** *Hemizonia congesta*, **Q:** *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild. — **CTS:** CA tiger salamander, **LO:** CA linderiella, **VPS:** v. p. shrimp, **FS:** freshwater shrimp, **R:** raptors, **W:** waterbirds, etc., **Ai:** sig. aquatic invert.s, **Aa:** amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: **C:** crayfish, **B:** bullfrogs, **M:** mosquito fish, **D:** dogs/cats; **L:** *Lippia*, **P:** *Phalaris*, **X:** *Xanthium*, **G:** grasses
*37 Threats — Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. — Pot. for restor.: **H:** high (land use changes, minor manip.); **M:** medium (some landscape manipulation); **L:** low, major reconfiguration/grading required; **N:** none warranted; **0:** too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 43	034-021-34		Pinercrest Road at Waltzer, NE ('Toso')	N	Toso			9.60	2	Rr, Ap		Ru	WhA, HuB	s, P	C	2	P/88, 89, 93; G/88, 89	R			
26B 44	036-01-46 036-01-49		Piner at Marlow (Crane/Avellar)	N	Avellar			7.64	2	Ap, Rr	Ru, C/I	Ru, Rr, V	WhA	s, P	C	2	P/90-94	D			
26B 45	036-011-08 036-011-09		Marlow Road condo.s	N	Neuschatz			5.16	2		Ru	Rr, Ru, Ap	WhA	s, P	C	1	G/89, 92; P/91; S/92, 93	D	G/		
26B 46	36-036-01 36-036-02		Carlton homes (Marsh Road)	U	Carlton Homes			3.2	0	V	Ru	Ru	HuB	s, P	C	0	S/91, 92	D			
26B 47	034-022-04		NWSR Annex. 'Deas'	N	Deas			3.58	2	Rr	Ru	Rr, Af	CfA, HtC	P	C	0	ESA/90	D			
26B 48	034-030-65		Piner Road - 'Cia'	N					1	Rr, Ap	Ru	Rr					P/90-93	D		P	
26B 49	036-011-38		Piner Road, west of 'Cia'	N	Piner Associates			1.63	1	Rr, Ao	Ru	Rr, Ap		s		0	P/92,93	D			
26B 50	036-011-43 036-011-47		Piner Road, east of 'Berk'	N	Moody, R. et al				2	Rr	Ru	Rr, V					P/92, 93	D			
26B 51	036-01-41		Piner Road - 'eucalyptus'	N	Berk, Barbara			10.41	1	V	Ru	Ru, Rr	WhA	s, P	C	2	G/89, 91; P/90, 91, 93	D, C		P	
26B 52	034-170-45		Piner Road - 'Haloran'	N	Ohlinger				0	Rr	Ru	Ru, V				0	P/92	D			

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v	n	Ap, Rr		2	50/3	E/6/88 E/7/89 E/5/93	-	-						D	Ru	H
s, v	n	Zh	1.5	3	40/3	E/2/90 E/4/91 E/4/93	-	-		RALO	Pleuro., Hord. hys., Rumex, Plagio. bract., Down. con., Ortho. fauc.		0	D	Ru, C/I, Gh	H/N?
s, v	a	G, D, m, t	0.6 C	1	20/2	E/2/89 E/1/92 E/1/93	-	-		DOHU, RALO	Hord. hys., Lolium, Plagio. bract.,	S	0	D	Ru, Rr, D, w, t	M/H
s, v	a	Rr, Af	0.4 C	2	20/1	-	-	-		DOHU	Hord., Loliu, Eleoch.	S	0	D	Ru, T	L
s, v	a	Z, R	0.88	2		-	-	E/2/90						D	Ru, Rr, Ap	L?
(s)	A	Rr, Z	0 C	-	-	-	-	-			Erodium, Bromus, Lotus corn., Hord. hys., Lolium, Lythrum, Poa ann.		0	D		N
d	A	Rr, d, w	0.1	0	60/1	-	-	-			Rumex, Pleuro., Lolium, Lythrum + annual grasses and weeds		0	D	Ru, Rr, A, d, w	L
--	A	Rr, Z, f	0			-	-	-			annual grasses and ruderal weeds		0	D	Ru	L / 0?
s, v, d	n, a	j, w, E, H, V	2.0	2	50/2	E/3/89 E/6/90 E/3/91 E/4/93	-	-	NABA	RALO, Q.	Pleuro., Down. con., Plagio., Hord. hys., Mentha; + Bromus, Eucalyptus			D	Ru, j, t, w, H, V	H
--	A	Rr, Z, f	0			-	-	-			annual grasses, ruderal weeds, and landscaping			D		0

*1 Map Code Co. photo # + sequential # (contin. from Waaland, '89)
*2 A.P. No.s Sonoma County Assessor's Parcel number(s)
*3 EO No. Element Occurrence number with CNDDB (# - Species)
*4 Place Name General location name or description
*5 Geog. Sub- W: Windsor, L: Laguna, U: urban Santa Rosa (SR), S SW SR, N: NW SR, E: E SR, P: S SR Plain; R. rural SR; C: Cotati
*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan ; __/Co = county, __/Cl = city
*9 Site size Approx acreage of site (generally one parcel)
*10 Contig.with Contig. with other significant parcels? 0 = isolated, no other significant sites adjacent, 1: undeveloped land adj., but no sig. wetlands; 2 1-3 adj. or < 20 ac sig. adj land; 3: 4 or > sig adj parcels or >20 ac sig adj. land; 4: >10 ac sig. adj public land
*11 Current Use A = Agriculture Aw: wastewater Ao: orchard Ap pasture Ar: row crops Av: vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr rural Ru: urban. V = Vacant P = Public Pc: conservation, Pr: recreation, park, Ps: school Pp: wastewater pond, Pi: wastewater irrigation, Pu: public utilityC / I: commercial/industrial
*12 Prop. Use Proposed or likely future land use(s), (see # 11)
*13 Adj. Uses Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils Dominant soil (see SCS '72); (H). on Co. hydric soils list
*15 Hydrol. Sys. Primary hydrologic system S/s: major / minor surface system, G/g: groundwater, P/p: perched water table, F/f floodplain
*16 Restr. Layer Restrictive soil layer ? S_: dense surface clay (Se: entire profile = clay, Ss: compacted surface layer); B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
*18 Years Surv. Investigator / yr: P: Patterson, W: Waaland, G: Guggolz, H: Harrison, O: Ornduff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
*19 Level Surv. C: casual, fence, airplane; R: reconnaissance, D: detailed (EIR, etc.); P_: Data proprietary: data given are from: Pc: CNPS, NDDB; Pg: gen'l knowledge, lit., or unrestricted access; Pp: submitted to an agency; Pn: NW Annex. EIR; Ps: SW Annex. EIR; Pa: air photos
*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d: dry), C/c. creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__). historic; "__" = man-made habitat
*23 Natural. N: natural topog., ± unaltered (n: with minor alterations); A: hist. sig. altered (a: sig. altered, but stabile); X: completely graded/converted
*24 Influences Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_: grazed (_c: cattle, _s: sheep, _h: horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c. cultiv., I/i: irrig., J/j: junk, H/h: hydrol. altered, M/m: manure, E/e: exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (C): confirmed by Corps of Eng
*26 Wet./Up. Ratio of wet. to upland: 0 = trace wet. or less than 5 % of site, 1 = 5-10 % wet., 2 = 10-20 %, 3 = 20-50%, 4 = > 50 %
*27 Wet. Break. % aquatic/no. of features: 1: solitary, 2: 2-5, 3: 6-15, 4 >15
*28 LABU *Lasthenia burkei*: E: extant, X: extirp., H: hist./abund. class: '0': none, 0: <10 plants, 1: 10-100, 2: 100-500, 3: 500-1000, 4: 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM. *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. CTS: CA tiger salamander, LO: CA linderiella, VPS. v. p. shrimp, FS: freshwater shrimp, R: raptors, W: waterbirds, etc., Ai: sig. aquatic invert.s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats; L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 53	034-050-52		Wood Road elbow South (Torrey)	R	Torrey			10.1	1	Rr, Ap	?	Rr, Ap, Ah	HtC	P, s	C	0	G/90; P/90	R		
26B 54	034-050-53, -54, -55		Wood Road elbow South ('Believers")	R	Believers Family Fellowship			33.7	3	Ap, Af	?	Ap, Rr	HtC	P, S, s	C	1	G/90	R		
26B 55	059-030-10		Wood Road at Fulton, NW	R	Kellett			29.24	0	Ap	?	Ap, Af, Rr	HtA	P			G/90	C	G/90	
26B 56	057-030-36		Skaug's horse pasture	R	Skaug		A1 B6	16.11	1	Ao, Ap, Rr		Rr, A	HtC	P, s	C	0	G/90	C	G/UC	
26B 57	057-021-19		west of Piner-Olivet School (off Willowside)	R	Piner Olivet School District		P	8.29	1	P		Rr, Ap	HtC, HwB	P, s			H/?	R		
26B 58 and 26D 05	157-020-03 157-020-08	21-BLBA	'Corrie' (off Guerneville Road, south of Piner H.S.)	R	Corrie			33	3	Af	Ru	Rr, Ap	HuB, HtC	S, s, P	C	2	W/88; P/89, 90, 92; G/90	C, Pc, Pg, Pa		
26B 59	034-023-15		San Miguel Estates No. 2 south	N	Gibbs/Negri ?				2	Rr, Ao	Ru	Rr, Ru	CfA	s	C	1	P/88, 89	D		
26B 60			Strief Lane	N					0	Rr, V	Ru	Ru		s, P	C	0	P/92, 93	D		
26B 61	036-011-44		Piner Road - Carinalli/Gardner Homes	N				6.12	2	V	Ru	Rr, Ru		P	C	1	P/90-93	D		P
26B 62	034-03-13		NW Annex.	N																

B I O T I C E N V I R O N M E N T

Habitats Present	Naturalness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
v, r, Uo	n	Zc, Zs, R	?	?	?	E/1/90					Danth. cal., Pleuro cal., Ortho. fauc., Lolium			D,	Ap, h, Rr	Mod. ?
v, s, c, r, Uo	n	Zc, Zs, h, m, v	?	?	?	?					Danth. cal., Pleuro. cal., Ortho. fauc., Lolium			D, B	R, A	?
v	n	Z, Rr				E/3/90								D	Av?, R	H
v, s, Uo, Ug	a	Zh				E/3/90									A	M
v, s	a	A, Ps				H/?/?				(HECO)	Eleoch., Ortho. erian., Las. glab., Rumex	H?			Rr, Ps, w	?
S, s, V, v, Uw	n	Af, D		2		-	-	E/6/88 E/7/89 E/7/90 E/7/92		Q	Plagio., Pleuro., BLBA, Eleoch., Down., Limn., Ortho. fauc., + Collinsia, Lupin., Amsin., Platy.				Ru, Af	N
s	a	C, D, Rr, h, t				E/0/89	-	-			Hord., Lol., + orchard			D	Ru, Ao, I, w, T	M?
--	a	Rr, Z, T, W, J, F	0			-	-	-			annual grasses and ruderal weeds		0	D	Ru, J, T, h	L?
(V, S), s, w	A	Af, Rr, graded	1.5?	3	10/1	E/1/90 E/0/91 H/'0'/92 X/'0'/93		-			Lolium, Hypoch., Erod., Hord.		0	D	Ru, Rr, T, W	L

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*6 Owner — Owner of site
*7 City Photo — Flight line number, SR city air photo (200-scale)
*8 Zoning — Zoning/Gen Plan ; _ /Co = county. _ /Ci = city
*9 Site size — Approx acreage of site (generally one parcel)
*10 Contig.with — Contig with other significant parcels? 0 = isolated, no other significant sites adjacent; 1: undeveloped land adj., but no sig. wetlands; 2: 1-3 adj. or < 20 ac sig. adj. land; 3: 4 or > sig adj parcels or >20 ac sig. adj. land; 4: >10 ac sig. adj. public land
*11 Current Use — A = Agriculture Aw: wastewater Ao: orchard Ap: pasture Ar: row crops Av. vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr: rural Ru. urban. V = Vacant P = Public Pc: conservation, Pr recreation, park, Ps: school Pp: wastewater pond, Pi wastewater irrigation, Pu. public utilityC / I. commercial/industrial
*12 Prop. Use — Proposed or likely future land use(s); (see # 11)
*13 Adj. Uses — Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils — Dominant soil (see SCS '72); (H): on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system: S/s: major / minor surface system, G/g: groundwater, P/p: perched water table, F/f floodplain
*16 Restr. Layer — Restrictive soil layer ? S_: dense surface clay (Se: entire profile = clay, Ss: compacted surface layer); B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed — 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
*18 Years Surv. — Investigator / yr: P: Patterson, W: Waaland, G: Guggolz, H: Harrison, O: Ornduff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
*19 Level Surv. — C: casual, fence, airplane; R: reconnaissance, D: detailed (EIR, etc); P_: Data proprietary: data given are from: Pc: CNPS, NDDB, Pg: gen'l knowledge, lit., or unrestricted access; Pp: submitted to an agency; Pn: NW Annex. EIR; Ps: SW Annex. EIR; Pa: air photos
*20 Vouchers — Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d. dry), C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w. other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. — N: natural topog., ± unaltered (n: with minor alterations); A: hist. sig. altered (a: sig. altered, but stabile); X: completely graded/converted
*24 Influences — Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_: grazed (_c: cattle, _s: sheep, _h: horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c: cultiv., I/i: irrig., J/j: junk, H/h: hydrol. altered, M/m: manure, E/e: exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet — Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. — Ratio of wet. to upland: 0 = trace wet. or less than 5 % of site, 1 = 5-10 % wet., 2 = 10-20 %, 3 = 20-50%, 4 = > 50 %
*27 Wet. Break. — % aquatic/no. of features: 1: solitary, 2: 2-5, 3. 6-15, 4: >15
*28 LABU — *Lasthenia burkei*: E: extant, X: extirp., H: hist./abund. class: '0': none, 0: <10 plants, 1: 10-100, 2: 100-500, 3: 500-1000, 4: 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI — *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA — *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. — Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM: *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary — DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild. — CTS: CA tiger salamander, LO: CA linderiella, VPS: v. p. shrimp, FS. freshwater shrimp, R: raptors, W: waterbirds, etc., Ai: sig. aquatic invert.s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats; L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats — Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. — Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26B 63	034-041-12		NW Annex.	N																
26B 64	034-041-10		NW Annex.	N																
26B 65	034-041-09			N																
26B 66	034-041-05			N																
26B 67	034-041-04			N																
26B 68	034-041-03			N																
26B 69			'Hover'	N	Hover															
26B 70	034-03-49		NW Annex.	N																
26B 71	057-021-22 057-021-28 057-021-29		'Gilmore' (west side of Willowside, south of Piner-Olivet School)	R	Gilmore			27.2		Ap, Rr	Rr	Ru, Rr, Ap, Ps					P/92, 94	D		
26B 72	054-120-14	6-BLBA	Wood Road Elbow (northeast corner)	R	Maggi			1.61		Rr		Rr, Ap					H/77; G/86, 88	C		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
c, Us	N, A	G, Rr	0.5	0		-	-	-		RALO, Q.	annual grasses	P/92	<LO, CTS>	C, D	Rr, t	L/N
v	A, a	Rr						H/?/77 H/'0'/86 H/'0'/88						D	Rr	?

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*11 Current Use — A = Agriculture **Aw**: wastewater **Ao**: orchard **Ap**: pasture **Ar**: row crops **Av**: vineyard, **Ai**: irrigated, **Af**: hayfield, R = Residential **Rr**: rural **Ru**: urban. V = Vacant P = Public **Pc**: conservation, **Pr**: recreation, park, **Ps**: school **Pp**: wastewater pond, **Pi**: wastewater irrigation, **Pu**: public utilityC / I: commercial/industrial
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* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	* 9	* 10	* 11	* 12	* 13	* 14	* 15	* 16	* 17	* 18	* 19	* 20	* 21
26C 01	130-200-63 130-200-64	3-LABU	Hall Road at Laguna	L	Nunes		Ae - B5 - F2	95.33 134.83	2	Ap		Ap, Af	CfA	s, F	C	2	R/66, 73, 74; W/88	R	R/UC		
26C 02	130-210-22		Sanford Road at Occidental	L	Christiansen		A1 - B6 - F2	65.01	0	Ap		A	WhA, WgC, WoA	s, P, F		3?	W/88	C?			
26C 03	130-250-36	14-LABU	Occidental Road horse pasture	L	Lahlogh, Habib (Lucchesi ?)		A1 - B6		0	Ap		A	WhA, WoA	s, P, F			H/79; W/88; G/88	R	H/JC		
26C 04	060-330-27 060-336-25 060-330-26	9-LIVI	High School Road; Aggio Dairy; Laguna at Occidental Road	L	Aggio Dairy		AE - F1 - B5	18.2 4.0 58.49	3	Ap		A	CfA	P, F		2	R/58, 62; H/79; G/81; W/88	R, C	R/CAS, H/JC	G	
26C 05	060-330-16		Ambrosini	L	Ambrosini			47.53	3	Ap, Av	A	A	CfA, WoA	s, P, F		2	W/88	C			
26C 06	60-330-28 (+29, 30 ?)		Stone	L	Stone			30.79	2	Ap			WoA, WhA, CfA, WmB	s, P, F		2	G/81	R		G	
26D 01	130-210-10	16-LABU	Hall Road at Willowside	R	Mattei						Rr	A	HtC, HwB, HuB	s, P	C		H/86; W/88; G/90?	C			
26D 02	130-223-81	17-LABU	Hall Road at Piezzi, SE; 'Lands of Crinella'	R	Crinella/Randell		RR - B5	31.36	1	Ap, V	Rr	Rr, Ap	WhA, WoA	s, P	C	2	G/86; W/88; P/91-92, 94	C, D			
26D 03	035-051-23 035-051-14		Hall & Occidental near Fulton ('Cramer')	R	Cramer, Glenn P.O. Box 4, Rancho Mirage		A1 - PA	174.13	2	Ap	Pr	Ru, Rr, Ap	WhA, WgC, WoA, CfA	s, S, P	C	3	W/88; G/88; P/91-94	R, D	G/UC	P	
26D 04	035-042-10	3-LIVI	Lion's Memorial; Occidental Road at Merced	R	Redwood Lion's Memorial Foundation			17.58	2	A	?	Rr, Ap, Af	WhA	P	C	1	G/79; W/88	R			

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
(V, S), R, Pm	a/A	Z, I?, D				E/?/66 E/?/73 E/?/74 H/0?/88			NABA	PODOP					A, I, C, Rr	H?
S, s, V, v, Us, Ug, F, R	N	Gc			?/3		E/1/88				annual grassland + v.p. flora				Gc, Rr	H?
s, v, Us	a/n	Zh		2	?/2	E/3/86 E/2/88	E/?/86								Ap, Rr	H
s, V, R, r, Us, f	n/a	Zc, I		2	?/3	E/1/79 H/0/81 H/0/88	E/1/79 E/1/81 E/1/88	-		PODOP, RALO, Q.	Fraxinus, Pleuro., Q.	G			Ap, Ai, Z, I	H
s, v, R, Uo, F	a	Av, C, W		2	?/2	-	-	-		PODOP					A, C, D, W	H
s, v, R, Uo	a	Zc		2						RALO	Pleuro. etc.	G			Z, A, I?	H
s, v	n/N	Z, c		2	?/2	E/3/86 E/'0'/88 E/'0'/90	-	-			Ortho., Limn. doug. niv., + annual grasses				Rr	H
s, S, v, Us	n	Zc, Zs, m, T, h	2.9 C	1	30/3	E/4/88 E/6/91 E/6/92 E/3/94	E/1/91 E/1/92 E/1/94	-		RALO, Q.	Pleuro., Plagio., Hord. hys., Lolium, Mentha, Eleoch., Ortho. fauc. + annual grasses		0	D	Rr, Ap, T, m	L/N
S, s, V, v, d, md, Us, Ug	N, n	Zc, M, t	22?	3	50/4+	E/2/88 E/3/91-93	E/6/88 E/5/91 E/6/92 E/6/93 E/6/94	-	NABA	PODOP, RALO, HECO, Q.	Pleuro. cal., Down. con., Plagio. bract., Mentha, LIVI, Eleoch., Rumex, Call., Hord. hys.		CTS	C, D	Rr, Pr, Z, M, t, d	N
s, v, Us	n/N	Zh	2.9	3	40/3	-	E/2/79 E/?/80 E/3/83 E/5/88	-		PODOP, RALO, Q.				D	Rr, A, t	H

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Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26D 06	035-141-13	2-LIVI	Finley at Wright	S	USA		RR-B6		1	V		Rr, V	WhA	s, P	C	0	H/75; H/84, G/84; W/88; P/91-94	R, D		
26D 07	none	22-LIVI	Caltrans ROW, Fulton at Ocidental	R	Caltrans				0	V		Pu	CfA, WhA	P	C	0	W/88; P/90	R		
26D 08	none	24-LIVI	Caltrans ROW, Hwy 12 at LLano	R	Caltrans				1	V, Pu		Af, Pu	WhA	P	C	o	T/83; W/88	R		
26D 09	035-141-21		Naval Air Station, NE	S	Santa Rosa Associates II				0	V	Ru	Ru, C/I	WhA	s, P	C	1	G/81; W/88; P/89-93	R, D		
26D 10	35-063-09 through 16 35-102-09, 10, 15, 16, 20, 23, 25, 26; 35-160-26		Courtside Village	S	misc.					Rr	Ru	Rr, C/I								
26D 11	035-063-05		'Martin homeless shelter' site	S				5.2	1	V		Rr, C/I					P/93	R		
26D 12			Gordon Creek	U	Stonehedge Group ??				0	Rr	Ru	Rr, Ru		s, P			P/	D		
26D 13	034-110-66		'Fulton Road at canal'	U	Sequoia Park Associates		R2 BG	28.60	0		Ru						P/89	D		
26D 14	subdivided		Country Manor Estates	R	misc.					Ru		Rr, Ru, Af								
26D 15	036-121-42		Guerneville Road, east of Fulton	U				3.59		V	Ru ?	Ru, C/I					P/90, 91	D		

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26D 16	034-121-34 034-121-56 034-121-58		1560 and 1554 Fulton Road	U	Singleton, Correira, +1			2.95 +		Rr, Ap	Ru	Ru					P/91, 93	D		
26D 17			(MW D26 W03)	R													W/			
26D 18			'south of Matter'	R						Rr										
26D 19			north side Hall Road (MW D26 W01)	R													W/			
26D 20			south of golf course (MW D26 W01)	R																
26D 21	historic site, exact location unknown	15-LABU	Occidental Road, E. of Sanford Road (same as "Occid. Rd. W of Piezzi" ?)							Rr										
26D 22	35-041-30 35-041-27		Irwin Lane south	R				10.83									P/94	R, P		
26D 23	035-042-33		Irwin Lane, east side, north of Occidental (Coldwell Banker)	R				8.02		V	Rr	Rr, Ap					P/93	R		
26D 24			(MW D26 W02)	R													W/			
26E	060-060-55 060-060-57 060-060-58	6-LIVI 7-BLBA	Carinalli's east end duck pond	L	Carinalli		AE - B6 - F1	172.95	2	A		A	CeA, CfA, CrA, WoA	s, P, f	C		R/74; G/79, 85, 86, 90	R	G/UC	

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
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v, Us	N	(Z), t, v, W, O	0.6?	2	50/1	-	E/3/86, 88, E/4/ 90, E/2/ 91, E/3/ 92,93,94	-		RALO	Pleuro, Eleoch. Limn. doug., LIVI, Down. con., Plagio., Lilaea, Mentha, Lol., Hord.		CTS	D	V, T, W	H/N
s, v, Ug	A	G, F, d, Pu, O	?			-	E/1/88 H/'0'/90 X?	-							Pu, O	L
S	A	Pu, O			?/1	-	E/1/83 E/1/88	-			Juncus, Mentha, Q.				Pu, I, T	L
S, s, v	n	T, W, d, O	1.65	2	50/2	-	-	-		(PODOP ?)	Lolium, Hord. hys., Rumex, Mentha		CTS	D	Ru, T, W	H/N
	A, a	Rr, t, w, H, g, f, v					E/0/91? E/1/92 X?/0/93								Rr, t, w, H, g, f, v	
s, v	n	Rr	0.2 C			-	-	-								
0	A		0			-	-	-								
v	X		0.5 ?			-	-	-								
w	a	Ru	0.2 ?			-	-	-							Ru	

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	A	Rr	0			-	-	-								
						X?										
						-	-	-								
						E?/86										
S, s, v	N	G													Rr, t, w	H/N
						-	-	-								
s, v, p	a	Gc, Ai, C				E/2/86 E/2/90	E/?/85 E/4/86	E/4/83 E/3/85 E/2/86 E/5/88				G		D	I, D, G	H

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*36 Exotics Exotics/pests: **C**: crayfish, **B**: bullfrogs, **M**: mosquito fish, **D**: dogs/cats; **L**: *Lippia*, **P**: *Phalaris*, **X**: *Xanthium*, **G**: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: **H**: high (land use changes, minor manip.); **M**: medium (some landscape manipulation); **L**: low, major reconfiguration/grading required; **N**: none warranted; **0**: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26E 13	060-120-13		Palm Terrace, Sebastopol	L	Selver ? (Selle ?)		F1 - B5	3.99, 16.83	2								W/88			
26E 14	060-120-12		Saddle Burr	L	Poncetta			31.61												
26E 15	060-100-01		'Buccholz' ?	L	Buccholz, Erwin and Paula			5.96												
26F 01	134-051-24	11-LIVI	Todd Road near Llano	R	Landeros		A1 - B6	53.56	2	C/I, Ap	C/I	Ap, Rr	WoA	s, P	C	2	T/83; W/88	R		
26F 02	035-141-21	8-LIVI	Naval Air Station W; swale N of Madera, S of E/W runway	S	Santa Rosa Associates II			246.54	3	V	Ru	Rr	WhA, CfA	s, P	C	1	H/79, 80; G/88; W/88; P/89-94	R, D		P
26F 03	035-141-07		Naval Air Station NW; ' hanger site'	S	Santa Rosa Associates II			38	1	V	Ru	V, C/I	WhA, CfA	P	C	0	H/78, 89; W/88; P/89-93	R, D		
26F 04	035-082-11	8-LIVI	Naval Air Station; 'Madera'	S	Madera Ave. Land Associates			35	2	V	Ru	Rr, V	WhA	S, P	C	2	H/79, 89; P/89-94	R, D	H/JC	P
26F 05	035-151-14 60-040-34	7-LIVI	West end of Concord Road	R	Mello			16.0 106.48	2	A	A	A	WoA	P	C		Q/77; G/80; W/88	R		
26F 06	060-070-23	1-LIVI 8-BLBA	Todd Road 'elbow'	L	Carinalli		A1 - B6	22	3	Ac		Rr, Af, Ap	WoA	S, s, P	C	3	H/74; G/79, 80; W/88; P/90, 92, 94	R		
26F 07	060-060-30	19-LIVI	Todd Road at Llano, SW	L	Lagomarsino		A1 - B6	30.9	3	Ap		Ap, Af, Rr	WoA	s, P	C	3	W/88	R		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v,Uo, R, f, p	n/N	Zc, w			40/3	E/2/88	-	-							Rr, A	?
						E ?										
							E ?									
V, s, Us, Ug	a/n	C/I, w, d, j			?/1	-	E/5/83 E/5/88	-							C/I, Rr, T, d	H
"S", "v", R, r, p, Ug, c	A	(Pu), t, w, d, h	6.1 C	3	40/2	-	E/6/79, 80,83,84 E/4/89-92; E/6/93, 94	-		RALO	Ortho., Plagio., Pleuro., Mentha, Rumex, Down. con.		0	D, C?	d, Ru, t, w	H/N
v, r	a	d, j, w	0.4		90/1	-	-	-		PODOP	Pleuro, mentha, Xanth., Rumex, Hord.		0	D	Ru, C/I, J, W, t, d	M
S, s, V, v, Md, Us, Uw	N, n	d, w, t	7.1	2	60/3	E/2/93	E/?/79 E/?/80 E/4/90-92, E/6/93	-		RALO, Q. PODOP	Pleuro., Down. Ortho., Lilaea, Lolium, Hord., Plagio., Ortho. fauc.		CTS	D	Ru, t, w	N
(s, v)	A	Zc, C, I					E/?/77								Rr, C, I, T, w	L?
S, s, v, mw, c	n	C, t, D, I, O	2+	2	40/2	-	E/?/77, 80,86 E/3/88 E/3/92 E/4/94	E/6/86 E/4/88 E/2/90 E/1/92 E/5/94		RALO	Pleuro., Mentha, Lolium, Lilaea, Plagio., Down., Alisma			D, C?	Rr, C, I, D, T, w	H
S, s, v, Us	a	Zc, f, I				-	E/2/88	-						D	C, I, T, W, Rr, Z	H

*1 Map Code Co photo # + sequential # (contin from Waaland, '89)
*2 A.P. No.s Sonoma County Assessor's Parcel number(s)
*3 EO No. Element Occurrence number with CNDDB (# - Species)
*4 Place Name General location name or description
*5 Geog. Sub- W: Windsor, L: Laguna, U: urban Santa Rosa (SR), S SW SR, N: NW SR, E: E SR, P: S SR Plain, R: rural SR, C: Cotati
*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan , _ /Co = county, _/Ci = city
*9 Site size Approx. acreage of site (generally one parcel)
*10 Contig.with Contig with other significant parcels? 0 = isolated, no other significant sites adjacent; 1: undeveloped land adj , but no sig wetlands, 2: 1-3 adj. or < 20 ac sig adj land, 3: 4 or > sig adj. parcels or >20 ac sig. adj. land; 4 >10 ac sig. adj. public land
*11 Current Use A = Agriculture Aw: wastewater Ao: orchard Ap: pasture Ar: row crops Av. vineyard, Ai irrigated, Af: hayfield, R = Residential Rr: rural Ru: urban. V = Vacant P = Public Pc: conservation, Pr recreation, park, Ps school Pp: wastewater pond, Pl wastewater irrigation, Pu: public utilityC / I: commercial/industrial
*12 Prop. Use Proposed or likely future land use(s), (see # 11)
*13 Adj. Uses Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils Dominant soil (see SCS '72), (H): on Co. hydric soils list
*15 Hydrol. Sys. Primary hydrologic system: S/s: major / minor surface system, G/g. groundwater,P/p: perched water table, F/f floodplain
*16 Restr. Layer Restrictive soil layer ? S_: dense surface clay (Se: entire profile = clay, Ss: compacted surface layer), B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed 0: less than 2 ac, 1: 2-10 ac, 2: 10-50 ac, 3: > 50 ac
*18 Years Surv. Investigator / yr: P: Patterson, W. Waaland, G: Guggolz, H: Harrison, O: Orndoff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
*19 Level Surv. C: casual, fence, airplane; R: reconnaissance; D: detailed (EIR, etc.), P_: Data proprietary: data given are from. Pc: CNPS, NDDB; Pg: gen'l knowledge, lit., or unrestricted access; Pp: submitted to an agency; Pn: NW Annex. EIR; Ps: SW Annex. EIR; Pa: air photos
*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren marsh, M/m_: meadow (_w: wet, _d: dry). C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. N: natural topog., ± unaltered (n: with minor alterations); A. hist sig altered (a: sig. altered, but stabile), X: completely graded/converted
*24 Influences Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_ grazed (_c. cattle, _s: sheep, _h horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c: cultiv., I/i: irrig., J/j: junk, H/h: hydrol. altered, M/m: manure, E/e: exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (C): confirmed by Corps of Eng.
*26 Wet./Up. Ratio of wet. to upland: 0 = trace wet. or less than 5 % of site, 1 = 5-10 % wet., 2 = 10-20 %, 3 = 20-50%, 4 = > 50 %
*27 Wet. Break. % aquatic/no. of features. 1. solitary, 2: 2-5, 3 6-15, 4: >15
*28 LABU *Lasthenia burkei*. E: extant, X: extirp., H: hist./abund. class. '0': none, 0: <10 plants, 1. 10-100, 2: 100-500, 3: 500-1000, 4: 1000-5000, 5: 5000-10,000, 6: 10,000-100,000, 7: > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: NAPL: *Navarretia pleiantha*, NABA: *N. bakeri*, ALAES: *Alopecurus aequalis sonomensis*, TRAM: *Trifolium amoenum*, PLHO: *Pleuropogon hooverianus*, CAAL: *Carex albida* ; (__): historic
*32 Secondary DOHU: *Downingia humilis*, RALO : *Ranunculus lobbii*, PODOP: *Pogogyne doug. parv.*, PEGAG: *Perideridia gairdneri g.*, HECO: *Hemizonia congesta*, Q: *Quercus lobata*; (__): hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. CTS: CA tiger salamander, LO: CA linderiella, VPS: v. p. shrimp, FS: freshwater shrimp, R: raptors, W: waterbirds, etc., AI: sig. aquatic invert.s, Aa: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics Exotics/pests: C: crayfish, B: bullfrogs, M: mosquito fish, D: dogs/cats; L: *Lippia*, P: *Phalaris*, X: *Xanthium*, G: grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: H: high (land use changes, minor manip.); M: medium (some landscape manipulation); L: low, major reconfiguration/grading required; N: none warranted; 0: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Siz (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26F 08	060-060-48	10-LIVI	Laguna at RR bridge; 'behind Sebastopol campground'	L	City of Santa Rosa		F1 - B6		2	Af, Ai		Ap, Ai	BcA	F		3?	R/69, 74; G/79, 80; W/88	R		
26F 09	060-060-53	1-LABU 14-BLBA 19-LIVI	Todd Road Preserve	L	CDFG, Wildlife Conservation Board			75	3	Pc	Pc	Af, Ai, Ap	CfA, WoA	s, P	C	2, 3	G/74, 79; Q/77; W/88; P/87, 90, 91, 94	R, D		
26F 10	060-060-55	14-LABU 25-LIVI 12-BLBA	Dom. Carinalli easement	L	Carinalli/CDFG				2	A		A	CeA, CfA, CrA, WoA	S, P, F		3?	R/74; G/74, 79, 85, 86; W/88	R	G/UC	
26F 11	060-010-15 060-010-16		Hofbauer easement, Laguna	L	Locklear		F1 - B5		2	A		A		S, F		3?	W/88	R		
26F 12	035-182-01	5-LIVI	Between Pyle Ave. and Kirby, E of S. Wright	S	Mosier			4.15, 3.75, 4.52	2	V	Rr	Rr, A					H/88; W/88	R		
26F 13	134-232-13		Walker Road near Colgan Creek	P	Haller			16	2	Ap		A	WoA, WhA	P, f			G/84; W/88	C, R		
26F 14	035-211-23		Broadmoor Acres North	S	Santa Rosa City Schools			14.29	3	Pc	Pc	Rr, V	WhA	s, P	C	1	W/88; H/89; P/91-93	R, D		
26F 15	134-211-07		Scenic at Arlington	P													W/88			
26F 16	134-151-26		Colgan Creek pasture near Todd	P													W/88			
26F 17	134-051-12 134-051-13 134-051-09		'Beretta'	R	Beretta		AE - B6	90.46, 318.58, 4.13	3	Rr, Ap, Ai, Af	Ai ?	Ap, Ai, Af, Rr	WoA, WhA, CfA	S, s, P	C	3	W/93	R		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
R, F, s, v, p, Us, Uo	a/n	Z, C, I, m, w, O				E/1/88	E/?/74, 77, 79, 80, 83 E/1/88	-				G		D, C, M, B?	Rr, Ar, Ap	H
S, s, V, v, Us, Ug, Mw	N	Zh, w, T		2	40/2	E/1/74 E/1/87 E/5/88 H/'0'/90 ,91,94	E/?/79, 80; E/6/ 83; E/3/ 87; E/5/ 88, 90	E/3/88 E/4/90 E/3/94		PEGAG ? RALO	Pleuro., Down., Ortho. fauc., Lolium, Hord., Eleoch., Lasth. glab., Blenno. nanum	G, H			T, w	H/N
s, V, v, p, Us, F, W	n/N	Zc, Ai				E/5/88 E/5/90	E/6/88	E/1/74 E?/0/86				G, H			Zc, t, w	H
F, p, v, s, Ug, Us	a/n	Zc, j, w			?/2	-	E/2/88	-							C, I, J, Z	H
Us, w	n	t, w					E/?/80			(PODOP?)					C/I, Ru, W	M
s, v?	a	Zc				-	E/4/84E /3/88	-		RALO					Zc, m, t	H
s, v, V,Ug, Us, m	n/N	Z, Rr, t, d	3	2	30/2	-	E/4/88 E/4/91 E/3/92 E/1/93	-		RALO, PODOP, Q.	Pleuro., Down., Mentha, Hord. hys., Lolium, Rumes, Call., + Lippia		CTS	D	Rr, t, w, d	H
v, s	A	D, w					E/1/88								Ap, Z	
S, s, v							E/2/88								Ap, Z	M?
S, s, V, v, Us, Uo	N, n	Zc, C, I, t, m		3	50/4		E/6/88 E/6/93	E/6/88 E/6/93		RALO					Ap, Ai, Zc, I, C	H, N

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*20 Vouchers — Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d: dry), C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w: other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna). (__): historic; "__" = man-made habitat
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26F 18	134-051-08 134-051-15		'Heskett'	R	Giannecchinni ('Heskett' ?)			21.33, 16.19	2				WhA, CfA	s, P	C		W/?			
26F 19	063-150-24		Glade Farm	L	Glade, Alvin and Janet			16.40	3	A		A					W/92	D		
26F 20			Mills Farm	R	Mills, Sandy				2	A							W/89-93	D		
26F 21			Brown Farm	L	City of Santa Rosa				2			Ai					W/91-93	D		
26F 22	035-141-03		'FEMA'	S	USA			61.29	2	V	Pc	V, Ap	WhA, CfA	s, P	C	2	W/90; J&S/93; P/92-94	D, R		
26F 23	035-211-19		Broadmoor Acres South	S	B.T. Land Development Corp. (Tuxhorn)			13.49	0	V	R	Rr	WhA	s, P	C	1	W/88; H/89; P/91-94	R, D		P
26F 24	35-141-21		Air Center south	S	Santa Rosa Associates II (Ersted)				2	V	Ru	Rr, V	WhA	s, P	C	0	P/89-94	D		
26F 25	035-201-45 035-201-46 035-201-47		Fisher, south of Pyle (part of Springfield ?)	S	Landis, Lennon, McNutt			2.24, 2.25, 3.92	2	Rr	Ru? Pc?	Rr		P	C		H/83	R	H/JC	
26F 26	35-201-06; 07; 11; 12; 14; 28; 29; 30; 31; 37; 38; 40; 41; 45; 46; 47; 35-211-11		'Springfield' (minus Landis, Lennon, McNutt)	S	misc.					Rr	Ru	Rr	WhA	s, P	C		P/92, 94	D		
26F 27	134-051-16 134-051-05		'Lystra'	R	Lystra			33.93, 16.19	2				WoA	s, P	C					

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
S, s, V, Us, Uo	N	Zc			50/4	-	E/6/?	E/5/?		PODOP, RALO, DOHU					Ap, Zc	H
s, R, Us	n	Zc, I			50/2	-	E/3/92	-							Ap, Ai, Zc,I	H
S, V, v, Us	N	Zs, M, W, Rr	1.5	3	50/3	-	E/6/? X?/?/93 ?	-							Ap, Zs, M, W, Rr	H
s, v, Us	N	I, M, W, O			50/2	-	E/2/92 E/3/93?	-							Af, Ai, I, M, W	H
S, V, v, w	A	C/I, T,	14.1 C	2	80/2	-	E/4/90 E/5/93	-		PODOP, RALO, Q.	Lolium, Pleuro., Alisma, Rumex, Mentha, Hord.		CTS, LO	D	T, w, V	H
s, v, d	n	(Z), w, t	2	2	30/2	-	E/?/89 E/3/91 E/4/92 E/4/93	-								
s, v	a	t, H, v, G	0.76		20/1	-	E/2/94	-							t, w, Ru, h, v	M
s, v	N, n	Z					E/?/83	E/?/83		PODOP					Rr, A	H
s, d	A	Rr, Z				-	E/2/92	-		RALO					Ru, A, W, T, M	L
s, v							E/?/?									

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Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
26F 28			Todd Road at Llano, SE (MW 26FW02)	R																
26F 29	060-070-22 060-070-23 060-070-24		Carinalli south of Todd Road	L	Carinalli, C.		DA BG 40ac	62	3	Af		A	WoA, CfA	s, P	C	2	P/93, 94	R		
26F 30	134-232-20 ?		'Benkelman' on Colgan Creek channel	R	Benkelman ?			4 ?	3											
26F 31	134-232-11 134-232-21		'Bennett mitigation site' on Colgan Creek channel, east of Walker Road	R	Tesconi, to be dedicated to CDFG					V	Pc	Rr, Ap								
26F 32			(MW 26F W04)	L																
26F 33			(MW 26F W05)	L																
26F 34	134-051-25 134-051-26		'Hale'	R	Hale			81.78, 34.53	3	Ap		A	ZaB, WoA	s, v	C	2	H/79	R	H/JC	
26F 35			(MW 26F W09)	L						Ai										
26F 36			(MW 26F W01)	L																
26F 37			(MW 26F W08)	L						Ai										

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
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S, s, A, w, Us	a	D, C, I														H
							E/?/?									
	a?															
						-	-	-								
						-	-	-								
S, s, v	n	Z, t		2			E/?/79	E/?/79							Z, I?, t	H/N?
						-	-	-								
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26F 38			(MW 26F W03)	L																
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26F 41			(MW 26F W07)	R																
26F 42			(MW 26F W06)	R																
26F 43			(MW 26F W12)	R																
27A 01			Evergreen	R	Summertree Development ?				2	V	Ru, Pc	Rr, Ru	ZaA, YsA	s, P	C	1	P/91, 93; S/?	D		
27A 02	58-050-51		'Christian Life Center' (Anderson site, south of Evergreen)	R				21		V	C/I	V, Rr	ZaB				P/92	D		
27A 03			3975 Old Redwood Highway ('Evans Co. site' east of Hwy 101)	R				19		C/I, V	C/I	C/I, V					P/91	D, P		
27A 04			IMCO site ? ('Evans Co. site' west of Hwy 101)	R				13	0	V	C/I	C/I					P/91	D, P		

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						-	-	-								
						-	-	-								
						-	-	-								
						-	-	-								
						-	-	-								
						-	-	-								
S, Uo	a	Ao, w, t, V, J				-	-	-			Lolium, Hord., Rumex			D	Ru, h, V	
	A	F, W, H	0			-	-	-			Lolium, Avena, Vicia, Bacch.			D		0
	A	C/I, H, G, F, w				-	-	-								
	A	G, F, H				-	-	-								

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*27 Wet. Break. — % aquatic/no. of features: **1**: solitary, **2**: 2-5, **3**: 6-15, **4**. >15
*28 LABU — *Lasthenia burkei*: **E**: extant, **X**: extirp., **H**: hist./abund. class: '0': none, **0**: <10 plants, **1**: 10-100, **2**: 100-500, **3**: 500-1000, **4**: 1000-5000, **5**: 5000-10,000, **6**: 10,000-100,000, **7**: > 100,000 / year
*29 LIVI — *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA — *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. — Other sensitive spp: **NAPL**: *Navarretia pleiantha*, **NABA**: *N. bakeri*, **ALAES**: *Alopecurus aequalis sonomensis*, **TRAM**: *Trifolium amoenum*, **PLHO**: *Pleuropogon hooverianus*, **CAAL**: *Carex albida* ; (__): historic
*32 Secondary — **DOHU**: *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP**: *Pogogyne doug. parv.*, **PEGAG**: *Perideridia gairdneri g.*, **HECO**: *Hemizonia congesta*, **Q**: *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild — **CTS**: CA tiger salamander, **LO**: CA linderiella, **VPS**: v. p. shrimp, **FS**: freshwater shrimp, **R**: raptors, **W**: waterbirds, etc., **Ai**: sig. aquatic invert.s, **Aa**: amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: **C**: crayfish, **B**: bullfrogs, **M**: mosquito fish, **D**: dogs/cats; **L**: *Lippia*, **P**: *Phalaris*, **X**: *Xanthium*, **G**: grasses
*37 Threats — Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. — Pot. for restor.: **H**: high (land use changes, minor manip.); **M** medium (some landscape manipulation); **L**: low, major reconfiguration/grading required; **N**: none warranted; **0**: too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.				
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
27C 01			El Rancho Tropicana	E						C/I		Ru, Ap								
27C 02	part of highway easement/right of way ?		'Ring' site on Highway 12	U						Pu		C/I, Ru					P/92	D		
27C 03	125-252-02; 03; 04; 125-331-01		Southcreek Village	U	Stagecoach Development ?			19.3		Rr, V	Ru	Ru					P/90, 93	D, P		
27C 04	125-361-03		Burbank Ave. Condominiums (Stembridge Stables)	U	Neuschatz			5.0		Rr, Ahy	Ru	Ru					P/92, 93	D		
27C 05	035-132-37		Pero Apartments (Giffen at Stony Pt Rd.)	S	Pero			1.3	1	V	Ru	Rr, Ru		P			P/92, 93 .	D		
27C 06			Giffen Estates	S	Gasperini ?			5.6	1	Rr	Ru	Rr, Ru, C/I		P			P/92, 93	D, P		
27C 07			'City fire station site'	S	Crty of Santa Rosa ?			0.8	0	V	Pu	C/I					P/92	D		
27E 01	134-162-09		Primrose Ave., SW SR	P	Young, Geo. (Agnese)		RR - B6		2	Ap							W/88			
27E 02	134-171-02	17-BLBA	Todd Road at Primrose	P	Cholomi, Michael (Martinez)		RR - B6		2	Ap, V		Ap, Rr	WoA	P	C	0	W/88; P/90	R		
27E 03	045-011-03	14-LIVI 17-BLBA	Scenic at Whistler	P	Karami (Drachman)		RR B6		2	V, A		Ap, Af, Rr	CeA, WoA	s, P	C	0	RT/75; JR/83; G/86; W/88; P/90	R	RT/SSC	

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
	a	Af, h, t													Ru, C/I, H	
	X					-	-	-								
	a	Rr, t, w,v				-	-	-								
	A	Zh, h, Ap	0 C			-	-	-								
	a	O, T	0			-	-	-								0
	A, f, w, T, h															
c	a		0.2			-	-	-								
v	N	Z						E/5/88								
s, v	n	Z, m, W, T	0.5?	1	40/2	-	-	E/3/88 E/'0'/90			Pleuro., Rumex, Las. glab., Lolium, Hord.			D	Rr, C, f?, D, Z, W, T	M?
s, v, Us	a/n	Z, W, T, d, Rr, f	0.3?	1	50/1	-	E/?/75 E/?/83 E/2/86 E/3/88 E/1/90	E/1/88 E/1/90		RALO	Pleuro., Rumex, Lolium, Hord., Mentha, Down. con.			D	Rr, T, D, F, C, I?	M

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*2 A.P. No.s Sonoma County Assessor's Parcel number(s)
*3 EO No. Element Occurrence number with CNDDB (# - Species)
*4 Place Name General location name or description
*5 Geog. Sub- W: Windsor, L: Laguna, U: urban Santa Rosa (SR), S SW SR, N: NW SR, E: E SR, P S SR Plain, R. rural SR, C: Cotati
*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan , _ /Co = county, _/Ci = city
*9 Site size Approx acreage of site (generally one parcel)
*10 Contig.with Contig. with other significant parcels? 0 = isolated, no other significant sites adjacent; 1: undeveloped land adj , but no sig. wetlands; 2 1-3 adj. or < 20 ac sig. adj. land, 3: 4 or > sig. adj parcels or >20 ac sig. adj. land; 4: >10 ac sig. adj. public land
*11 Current Use A = Agriculture Aw: wastewater Ao orchard Ap pasture Ar: row crops Av: vineyard, Ai: irrigated, Af: hayfield, R = Residential Rr: rural Ru: urban V = Vacant P = Public Pc: conservation Pr recreation, park, Ps: school Pp: wastewater pond, Pi wastewater irrigation, Pu public utilityC / I, commercial/industrial
*12 Prop. Use Proposed or likely future land use(s), (see # 11)
*13 Adj. Uses Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils Dominant soil (see SCS '72); (H)' on Co hydric soils list
*15 Hydrol. Sys. Primary hydrologic system: S/s: major / minor surface system, G/g. groundwater,P/p: perched water table, F/f. floodplain
*16 Restr. Layer Restrictive soil layer ? S_. dense surface clay (Se: entire profile = clay, Ss. compacted surface layer), B_: subsurface layer (Bc: clay, Ba: cemented alluvium, Bo: other),
*17 Watershed 0: less than 2 ac, 1. 2-10 ac, 2: 10-50 ac, 3. > 50 ac
*18 Years Surv. Investigator / yr: P: Patterson, W: Waaland, G: Guggolz, H: Harrison, O: Ornduff, R: Rubtzoff, S: WESCO, M: McCarten, N: Northern, Q: Quibell, JS: Jones & Stokes
*19 Level Surv. C: casual, fence, airplane; R: reconnaissance, D: detailed (EIR, etc.); P_: Data proprietary data given are from: Pc CNPS, NDDB, Pg: gen'l knowledge, lit., or unrestricted access; Pp: submitted to an agency; Pn: NW Annex. EIR; Ps: SW Annex. EIR; Pa: air photos
*20 Vouchers Voucher? (see # 18) / receptor site: CAS Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: V/v: sig./minor vernal pools, S/s: swales, R/r: riparian, P/p: peren. marsh, M/m_: meadow (_w: wet, _d: dry), C/c: creek, D/d: ditch / flood channel, A/a: farmed wetlands, F/f: floodplain, W/w other wetlands, N/n: man-made pond, U_: other significant upland habitats (Ug: native grassland, Uw: wildflowers, Uo: oak woodland, Us: oak savanna) (__): historic; "__" = man-made habitat
*23 Natural N: natural topog., ± unaltered (n: with minor alterations); A: hist. sig altered (a: sig. altered, but stabile); X: completely graded/converted
*24 Influences Major influences: F/f: major/minor fill, G/g: major/minor grading, Z_: grazed (_c: cattle, _s: sheep, _h: horses), Y/y: livestock yard, D/d: disked, O/o: mowed, C/c: cultiv , I/i: irrig., J/j: junk, H/h: hydrol. altered, M/m: manure, E/e. exotics, W: weeds, T/t: thatch, V/v: vehicles, R/r: residential use, S: wastewater; (__): hist.
*25 Acres Wet Est. wetland acreage (C): confirmed by Corps of Eng.
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*34 Spp. List Plant species list available? (see # 18)/year
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SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
27E 04	045-022-20	12-LIVI 18-BLBA	Horn Ave. north, near Santa Rosa Ave.	E	Uccelli		RR - B6		0	V	Ru?	Ru, A	CeA	s	C	1	Q/74; H,G/79; W/88 P/90	R		
27E 05	045-041-26	3-LIVI 18-BLBA	Horn Ave. south, near Santa Rosa Ave.	E	McDowell		A1 - B6		0	V, A	Ru?	Ru, A	CeA	s	C	1	Q/74; G/79; W/88; P/90	R		
27E 06	134-222-01		Scenic and Hargrave	E	Schmalen et al				2	Ap		A, Rr	WhA	s, P	C		W/88			
27E 07	numerous partial parcels in right of way		West Robles Conduit ROW	P	misc.				3	Rr, Af, Ap		A	WoA, CfA, WhA	s, P	C		P/92-94	D		
27E 08			Primrose Ave. east side (previously 'Del Bucchia')	P					2	Rr		Rr, A	WoA	P	C		P/92	D		
27E 09	134-042-02, 03, 04, 05, 22, 38, 230 134-290-010 043-072-05 134-30-18, 22		Bellevue Ranch	S	B.T. Homes (Tuxhorn)			94.52	2	Af	Ru	Rr, Ru, Ps, Ap	ZaA, CeA, CfA	s, P	C	2	P/92-94	D		
27E 10			Elsie Allen High School	S	Santa Rosa Schools			40 ?	2	Ps		Rr, Af					P/91-92	D		
27E 11			'Wong'	S	Wong			12	2	Rr, Gf		Ps, Rr	CfA				P/91-92	D		
27E 12			Bellevue at South Dutton, NW	S						V	Ru?	Rr, A	CfA	P	C	0	P/94	R, P		
27E 13	035-191-06 035-191-09 035-191-10		Northpoint Village ('Summerfield')	S	Martin			61.27	2	Ap	Ru, Pc	Rr, C/I, V	WhA, CfA	s, P	C	2	P/89-94	D		P

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
(s, v)	A	C, D, G, h, J, V, O			?/2	-	E/7/80, 83; H/'0'/88; X/'0'/89, 90	E/?/77? E/7/80, 83; X/'0'/88 89,90			Lolium, Hordeum, Bromus, Brassica, Avena, Erodium			D	Ru, A, I	M
(s, v)	A	C, D, V, O			?/2	-	E/?/74? E/5/79 X/'0'/88 X/'0'/90	-			Lolium, Hordeum, Bromus, Brassica, Avena, Erodium			D	Ru, A, I, C	L
s, v	n	Zc			?/2	-	-	E/5/88								
S, s, v	a, d, f	Gc, Gh, m, t				-	-	-		RALO, PODOP				D	Rr, Ah, G	H
s	n	Rr				-	-	-							Rr	M
s, v	A, Z	C, D, h, T	0.17 C	0	80/1	-	-	-			annual grasse + Down., Plagio., Pleuro.		<LO, CTS>	D	Ru	L
(s, v)	X															
s, v, w	a	G, F, d	6 C	3	20/1	-	-	-			Pleuro., Hord. Juncus, Plagio., Mim. tri., Lolium, Lilaea, Perid. kell.		<LO, CTS>	D	G	L/N
	A	H, G, f, t, w													Ru	
s, v, V, d	a	Zc, Zs, M, t, w, H	1.0 C	1	50/2	-	E/	-		PODOP, RALO, Q.	Pleuro., Down. con., Plagio. bract., Mentha, Eryng. arist., Lolium, Hord. hys.		LO	D, C	Ru, Z, m, w, t	M

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*20 Vouchers Voucher? (see # 18) / receptor site: CAS: Calif. Acad. Sci.; JEP: Jepson; DAV: UC Davis; UC: UC Berkeley; JC: SR JC / year
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*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
27E 14	134-022-08 134-022-20		Bates/Stony Point Road W	S	Steve Bates			13, +5	2	Zs	Ru	Rr	CfA, WoA	P	C		P/89, 92, 94	D, P		
27E 15	134-042-11		lands of Kersch	S	Kersch, Kit			7.0	2	Rr, Zs	Ru	Rr, A	WhA, CfA	s, P	C	2	P/93, 94	D, P		
27E 16	35-011-218		Picchi, east end of Broadmoor south	S	Picchi			2.36	2	V	Ru	Rr, V	WhA	P	C	0	P/92	R, P		
27E 17	134-290-05		Hamann	S	Hamann, Lee and Debbie			1.17	2	Rr	Ru	Rr, Af					P/93, 94	D, P		
27E 18			Southwest Santa Rosa Community Park	S	City of Santa Rosa				2	Pr		Rr, Ah	ZaA, CfA	P	C	0	P/92, 93	C		
27E 19	043-152-27 043-152-28 043-152-30		Moorland Park	P	Chador ?			6.94	0	Rr	Ru	Rr	WoA	P	C	0	P/91, 93	D		
27E 20	043-170-18		3323 Moorland Ave., west side, Gardner Homes	P	Gardner Homes/Veale Investments ?			2	1	Rr, V	Ru	Rr	WoA	P	C	0	P/92, 93	D		
27E 21			Orchard Park (3365 Moorland Ave.)	P	Poulsen ?			10 ?	1	Rr, V	Ru	Rr, C/I								
27E 22	043-072-09 043-072-08		Bellevue Elementary School site (2665 South Dutton)	S	Bellevue Union School District			10.6	2	V	Ps	Rr, Af	ZaA	P	C	0	P/92, 93	D		
27E 23	134-042-021		'Wismer' , east side of Stony Pt. Road, opposite Ludwig	S	Wismer			20	2	Rr, Ap	Ru ?	Rr, Ah	WoA, WhA	P	C	0				

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
	a	Zs, h, w, d														
	n	G, M, t,				-	-	-					<LO, CTS>	D	Rr, G,	M
	n														Ru	
						-	-	-					<LO, CTS>			
"V"	A	Pr	1.0 ?												Pr, F	
s, w	A	Rr, d, F	0.29 C	0	20/2	-	-	-			annual grasses and weeds		<LO, CTS>	D	Ru	L/N
s, v, w	a	Rr, Z, M, T, w	0.29 C	2	20/2	-	-	-			Lolium, Mentha, Hord., Rumex, Plagio., Phalaris, Xanthium		<LO, CTS>	D	Ru, T, w	L
	A	Ao, w, h, T, Rr, j													T, h, Rr, j	
s, d	a, g	Rr	0.34	2	0/2	-	-	-			Lolium, Hord. hys., Picris, Geranium, Rumex		<LO, CTS>	D		L/N
	a	Zs, h, f, G, w, i?													Ru, Zs, h, w	

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*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen Plan , __/Co = county, __/Ci = city
*9 Site size Approx acreage of site (generally one parcel)
*10 Contig.with Contig. with other significant parcels? **0** = isolated, no other significant sites adjacent; **1:** undeveloped land adj., but no sig. wetlands; **2. 1-3** adj. or < 20 ac sig. adj. land; **3:** 4 or > sig. adj. parcels or >20 ac sig adj. land; **4:** >10 ac sig. adj. **public** land
*11 Current Use A = Agriculture **Aw:** wastewater **Ao:** orchard **Ap** pasture **Ar:** row crops **Av:** vineyard, **Ai:** irrigated, **Af:** hayfield, R = Residential **Rr:** rural **Ru:** urban. V = Vacant P = Public **Pc:** conservation, **Pr:** recreation, park, **Ps** school **Pp:** wastewater pond, **Pi:** wastewater irrigation, **Pu:** public utility C / I: commercial/industrial
*12 Prop. Use Proposed or likely future land use(s), (see # 11)
*13 Adj. Uses Predominant adjacent land uses; (see # 11 for symbols)
*14 Soils Dominant soil (see SCS '72); **(H):** on Co. hydric soils list
*15 Hydrol. Sys. Primary hydrologic system: **S/s:** major / minor surface system, **G/g:** groundwater, **P/p:** perched water table, **F/f:** floodplain
*16 Restr. Layer Restrictive soil layer ? S_: dense surface clay (**Se:** entire profile = clay, **Ss:** compacted surface layer); B_: subsurface layer (**Bc:** clay, **Ba:** cemented alluvium, **Bo:** other),
*17 Watershed **0:** less than 2 ac, **1:** 2-10 ac, **2:** 10-50 ac, **3:** > 50 ac
*18 Years Surv. Investigator / yr: **P:** Patterson, **W:** Waaland, **G:** Guggolz, **H:** Harrison, **O:** Ornduff, **R:** Rubtzoff, **S:** WESCO, **M:** McCarten, **N:** Northern, **Q:** Quibell, **JS:** Jones & Stokes
*19 Level Surv. **C:** casual, fence, airplane; **R:** reconnaissance; **D:** detailed (EIR, etc.); P_: Data proprietary: data given are from: **Pc:** CNPS, NDDB; **Pg:** gen'l knowledge, lit., or unrestricted access; **Pp:** submitted to an agency; **Pn:** NW Annex. EIR; **Ps:** SW Annex. EIR; **Pa:** air photos
*20 Vouchers Voucher? (see # 18) / receptor site: **CAS:** Calif. Acad. Sci.; **JEP:** Jepson; **DAV:** UC Davis; **UC:** UC Berkeley; **JC:** SR JC / year
*21 Photos Reference photos available ? (see # 18 for symbols)
*22 Habitats Habitats: **V/v:** sig./minor vernal pools, **S/s:** swales, **R/r:** riparian, **P/p:** peren. marsh, **M/m_:** meadow (_w: wet, _d: dry), **C/c:** creek, **D/d:** ditch / flood channel, **A/a:** farmed wetlands, **F/f:** floodplain, **W/w:** other wetlands, **N/n:** man-made pond, **U_:** other significant upland habitats (**Ug:** native grassland, **Uw:** wildflowers, **Uo:** oak woodland, **Us:** oak savanna). **(__):** historic; "__" = man-made habitat
*23 Natural. **N:** natural topog., ± unaltered (**n:** with minor alterations); **A:** hist. sig. altered (**a:** sig. altered, but stabile); **X:** completely graded/converted
*24 Influences Major influences: **F/f:** major/minor fill, **G/g:** major/minor grading, **Z_:** grazed (_c: cattle, _s: sheep, _h: horses), **Y/y:** livestock yard, **D/d:** disked, **O/o:** mowed, **C/c:** cultiv., **I/i:** irrig., **J/j:** junk, **H/h:** hydrol. altered, **M/m:** manure, **E/e:** exotics, **W:** weeds, **T/t:** thatch, **V/v:** vehicles, **R/r:** residential use, **S:** wastewater; **(__):** hist.
*25 Acres Wet Est. wetland acreage (**C**): confirmed by Corps of Eng.
*26 Wet./Up. Ratio of wet. to upland: **0** = trace wet. or less than 5 % of site, **1** = 5-10 % wet., **2** = 10-20 %, **3** = 20-50%, **4** = > 50 %
*27 Wet. Break. % aquatic/no. of features: **1:** solitary, **2:** 2-5, **3:** 6-15, **4:** >15
*28 LABU *Lasthenia burkei*: **E:** extant, **X:** extirp., **H:** hist./abund. class. '0': none, **0:** <10 plants, **1:** 10-100, **2:** 100-500, **3:** 500-1000, **4:** 1000-5000, **5:** 5000-10,000, **6:** 10,000-100,000, **7:** > 100,000 / year
*29 LIVI *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. Other sensitive spp: **NAPL:** *Navarretia pleiantha*, **NABA:** *N. bakeri*, **ALAES:** *Alopecurus aequalis sonomensis*, **TRAM:** *Trifolium amoenum*, **PLHO:** *Pleuropogon hooverianus*, **CAAL:** *Carex albida* ; **(__):** historic
*32 Secondary **DOHU:** *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP:** *Pogogyne doug. parv.*, **PEGAG:** *Perideridia gairdneri g.*, **HECO:** *Hemizonia congesta*, **Q:** *Quercus lobata*; **(__):** hist.
*33 Dom. pl. Brief listing of dominant plants
*34 Spp. List Plant species list available? (see # 18)/year
*35 Sens. Wild. **CTS:** CA tiger salamander, **LO:** CA linderiella, **VPS:** v. p. shrimp, **FS:** freshwater shrimp, **R:** raptors, **W:** waterbirds, etc., **Ai:** sig. aquatic invert.s, **Aa:** amphibians; **(__):** potential habitat; **< >:** sought, not found
*36 Exotics Exotics/pests: **C:** crayfish, **B:** bullfrogs, **M:** mosquito fish, **D:** dogs/cats; **L:** *Lippia*, **P:** *Phalaris*, **X:** *Xanthium*, **G:** grasses
*37 Threats Perceived threats (see codes for # 11 and 24)
*38 Rest. Pot. Pot. for restor.: **H:** high (land use changes, minor manip.); **M:** medium (some landscape manipulation); **L:** low, major reconfiguration/grading required; **N:** none warranted; **0:** too altered, no real potential

SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	* 9	* 10	* 11	* 12	* 13	* 14	* 15	* 16	* 17	* 18	* 19	* 20	* 21
27E 24			west side of South Dutton, south of Bellevue	S	?					V		Rr, C/I		s, P	C	0	P/90	D		
27E 25	043-071-22 043-071-23 043-071-07		'Tuxhorn east' east of South Dutton, south of Bellevue	S	Gould and McGill			12.05		V, Af	Ru?	Ru, Rr								
27E 26			Colgan Creek north, south of Bellevue, east of S Dutton	S	Peletz ?			19.53	2	Af	Ru	Rr, Ru					P/92, 93	D		
27E 27			'Matterei Ranch?' west of Petaluma Hill Road	E	Martin, Ken ?				1	A	Ru?	Rr, Ap, Ru	CeA, WoA			2	P/91 ?	D		
27E 28	134-022-07		'Martin' site between Broadmoor North and 'Bates'	S	Martin, Ken			7.41	2	V		Rr, Ap	CfA, WoA	s, P	C	1	P/89, 92-94	D		
27E 29	134-225-14		Primrose Ave.	P	Smith, Loretta			2.02		Rr							G/93			
32B 01	062-240-33	15-LIVI 2-ALAES	Gundelfinger; Llano Rd. at Laguna, 0.5 mile N of Hwy 116	L	Gundelfinger		A1 - B5 - F2	4.60 57.74	3	Rr, Ap		Rr, A	WoA, CtC, CtD	S, s, P, F, N		2	R/66, 73; H/78; G/79; W/88; P/92	R, D	R/CAS	
32B 02			'City mitigation site' Laguna at Llano (Stony Pt. Rd. mitigation site)	L	City of Santa Rosa				2	V	Pc	Rr, Pu		P, F			P/92, 93	D		
33A 01	045-033-44		200 Scenic	P	Haroutunian				2	Ap	Pc	A	CeA	s		1	W/92, 93	D		
33A 02			'Howery'; Scenic, between RR and freeway	P	Williamson ? / Howery ?				0	V	Pc	Rr								

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
s, v, Us	n	(Z), h?	0.3	0	20/2	-	-	-		RALO	Pleuro., Lilaea, Plagio. Down. con., Mentha, Lolium, Hord.				Ru, C/I	M
	a	(C), (Z), T, G														
w	A	Ah, G, C	0.3 ?			-	-	-								L
s, a, d	a	C, D, t, (Z)				-	-	-			annual grasses				Ru	L - M ?
s, v, d	a, d	Z, h				-	-	-		RALO	Rumex, PLagio., Lolium, Hord., Juncus, Pleuro.				Ru/Rr?, h, w, t	M
s, v?, Ug							E/4/93				Pleuro., Down. Lasth. glab.					
s, v, R, r, M, C, Sp, p	N	Zc	2+	2	30/2	-	E/5/79 E/?/88 E/6/92	-	ALAES - historic	RALO	annual grassland, oaks			C, M, D	Rr, Zc, Ap	H/N
s, D, f, r	a	D, t, g, f, H				-	-	-			Pleuro. cal., Hord., Mentha		<LO, CTS>	D, C, M		H
S, s, v, V	n	Z, g?, w, t, (Ao?)		3	50/2	-	E/?/93	E/6/93 E/6/94?						D	w, t	H
s	A	F !!!														

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Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
33A 03			'Church' site	P	?? (being purchased by SCAPOSD ?)					V	Pc ?	A, V, Rr								
33A 04	046-011-11		Pimental - parcel 11, west side of Stony Point Road, north of Laguna	L	Pimentel					Af	(spoils)	Ap, I								
33A 05	046-011-12 046-011-14 046-011-17		Pimental - parcel 12, west side of Stony Point Road, south of Laguna	L	Pimentel					V	Pu (spoils)	Ac	fill							
33A 06	046-021-20		Pimental - parcel 20 east side of Stony Point Road, west edge of Hinebaugh Creek	L	Pimentel					Ar/Ai	(spoils)	Ai, Rr, C/I								
33A 07	046-032-12 046-032-18 046-032-19 046-032-23 046-032-26		Poncia Dairy	L	Poncia				3	Zc, Ai, Af		A	HaB	s, P	C	2	P/93	D		
33A 08	numerous partial parcels along right of way		Stony Point Road realignment - Gossage Creek alternative area	L	misc.				2	Ap, V		A	HaB	s, P	C	0	P/91-93	D		
33A 09	200 + partial parcels in right of way		Stony Point Road widening ROW	L, R	misc.					Rr							P/89, 91-93; S/90?	D		
33A 10	46-021-20	20-BLBA	E side Stony Point Road, N of Laguna	P	Pimentel					Ac		Af, Ap								
33A 11	46-111-08 46-111-09		Helman Lane	C	Transonoma ?					Rr, Ap	Ru ?	Rr, A	HaB, CeA	s, P, f	C		P/91	D, P		
33A 12	144-050-02 144-050-03 46-286-03 46-286-07		Bennett Properties - Cotati	C	Bennett Properties - Cotati			30.33	1	V	C/I	Rr, C/I	HaB	s, P	C	2	H/89, G/8-?; P/90; M/991-94	R, D		

B I O T I C

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	B
*22	*23	*24	*25	*26	*27	*28	*29	*
	A	(Z), I, D, T, w, H				-	-	-
	a	I, T, G, w, h				-	-	-
	A	I, C, D, G, H, T				-	-	-
s, v, d, r	a	Zc, I, Pi, M, T, W, h, g				-	-	-
s, v, r	n	Z, m, T				-	-	-
s, v, C, c, Us, R, r	n					-	-	se 1 O
	n	Zc, w, t, h						E/ 1 E/ E/
s, v	a	Rr, (Z), h, D, g, f, w, t				-	-	-
S, s, v, V	n, A	(Z), F, w, T, D, g, H, E	2.5 C	1 (2)	50/2	-	0/88-91 E/1/92 E/1/93	-

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
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	A	(Z), I, D, T, w, H				-	-	-							Ai	
	a	I, T, G, w, h				-	-	-							I, C, Z (Pi?)	
	A	I, C, D, G, H, T				-	-	-								
s, v, d, r	a	Zc, I, Pi, M, T, W, h, g				-	-	-			annual grasses			D		M
s, v, r	n	Z, m, T				-	-	-					<LO, CTS>	D	Rr, A, Z	L/N
s, v, C, c, Us, R, r	n					-	-	see 33A 10		RALO, Q.			<LO, CTS>	D, C, M	Rr, Ru, A	N
	n	Zc, w, t, h						E/1/87 E/__/8? E/__/_?		PODOP					Z, I?	
s, v	a	Rr, (Z), h, D, g, f, w, t				-	-	-						D	Ru, Z, t	M
S, s, v, V	n, A	(Z), F, w, T, D, g, H, E	2.5 C	1 (2)	50/2	-	0/88-91 E/1/92 E/1/93	-		RALO	Pleuro. cal., Hord. hys., Lolium, Rumex, Down. con., Lasth. glab., Mentha, Callit.	H, P, HLA	0	D	C/I, Rr, T, H	

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*10 Contig.with — Contig. with other significant parcels? **0** = isolated, no other **significant** sites adjacent, **1:** undeveloped land adj., but no sig. wetlands; **2:** 1-3 adj. or < 20 ac sig. adj. land; **3:** 4 or > sig adj parcels or >20 ac sig adj. land, **4:** >10 ac sig. adj. **public** land
*11 Current Use — A = Agriculture **Aw:** wastewater **Ao:** orchard **Ap** pasture **Ar** row crops **Av:** vineyard, **Ai:** irrigated, **Af:** hayfield, R = Residential **Rr:** rural **Ru:** urban. V = Vacant P = Public **Pc:** conservation, **Pr:** recreation, park, **Ps:** school **Pp:** wastewater pond, **Pi:** wastewater irrigation, **Pu** public utility C / I: commercial/industrial
*12 Prop. Use — Proposed or likely future land use(s); (see # 11)
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*14 Soils — Dominant soil (see SCS '72); (H): on Co. hydric soils list
*15 Hydrol. Sys. — Primary hydrologic system. **S/s:** major / minor surface system, **G/g:** groundwater, **P/p:** perched water table, **F/f:** floodplain
*16 Restr. Layer — Restrictive soil layer ? **S_**: dense surface clay (**Se:** entire profile = clay, **Ss:** compacted surface layer); **B_**: subsurface layer (**Bc:** clay, **Ba:** cemented alluvium, **Bo:** other),
*17 Watershed — **0:** less than 2 ac, **1:** 2-10 ac, **2:** 10-50 ac, **3:** > 50 ac
*18 Years Surv. — Investigator / yr: **P:** Patterson, **W:** Waaland, **G:** Guggolz, **H:** Harrison, **O:** Ornduff, **R:** Rubtzoff, **S:** WESCO, **M:** McCarten, **N:** Northern, **Q:** Quibell, **JS:** Jones & Stokes
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*20 Vouchers — Voucher? (see # 18) / receptor site: **CAS:** Calif. Acad. Sci.; **JEP:** Jepson; **DAV:** UC Davis; **UC:** UC Berkeley; **JC:** SR JC / year
*21 Photos — Reference photos available ? (see # 18 for symbols)
*22 Habitats — Habitats: **V/v:** sig./minor vernal pools, **S/s:** swales, **R/r:** riparian, **P/p:** peren. marsh, **M/m_**: meadow (_w: wet, _d: dry), **C/c:** creek, **D/d:** ditch / flood channel, **A/a:** farmed wetlands, **F/f:** floodplain, **W/w:** other wetlands, **N/n:** man-made pond, **U_**: other significant upland habitats (**Ug:** native grassland, **Uw:** wildflowers, **Uo:** oak woodland, **Us:** oak savanna). (__): historic; "__" = man-made habitat
*23 Natural. — **N:** natural topog., ± unaltered (**n:** with minor alterations); **A:** hist. sig altered (**a:** sig. altered, but stabile); **X:** completely graded/converted
*24 Influences — Major influences: **F/f:** major/minor fill, **G/g:** major/minor grading, **Z_**. grazed (**_c:** cattle, _s sheep, _h: horses), **Y/y:** livestock yard, **D/d:** disked, **O/o:** mowed, **C/c** cultiv , **I/i:** irrig., **J/j:** junk, **H/h:** hydrol. altered, **M/m:** manure, **E/e:** exotics, **W** weeds, **T/t:** thatch, **V/v:** vehicles, **R/r:** residential use, **S:** wastewater; (__): hist.
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*27 Wet. Break. — % aquatic/no. of features: **1:** solitary, **2.** 2-5, **3:** 6-15, **4:** >15
*28 LABU — *Lasthenia burkei*: **E:** extant, **X:** extirp., **H:** hist./abund. class: '0': none, **0:** <10 plants, **1:** 10-100, **2:** 100-500, **3:** 500-1000, **4:** 1000-5000, **5:** 5000-10,000, **6:** 10,000-100,000, **7:** > 100,000 / year
*29 LIVI — *Limnanthes vinculans*; (see # 28 for codes)
*30 BLBA — *Blennosperma bakeri*; (see # 28 for codes)
*31 Other Pri. — Other sensitive spp: **NAPL:** *Navarretia pleiantha*, **NABA:** *N. bakeri*, **ALAES:** *Alopecurus aequalis sonomensis*, **TRAM:** *Trifolium amoenum*, **PLHO:** *Pleuropogon hooverianus*, **CAAL:** *Carex albida* ; (__): historic
*32 Secondary — **DOHU:** *Downingia humilis*, **RALO** : *Ranunculus lobbii*, **PODOP:** *Pogogyne doug. parv.*, **PEGAG:** *Perideridia gairdneri g.*, **HECO:** *Hemizonia congesta*, **Q:** *Quercus lobata*; (__): hist.
*33 Dom. pl. — Brief listing of dominant plants
*34 Spp. List — Plant species list available? (see # 18)/year
*35 Sens. Wild. — **CTS:** CA tiger salamander, **LO:** CA linderiella, **VPS:** v. p. shrimp, **FS:** freshwater shrimp, **R:** raptors, **W:** waterbirds, etc., **Ai:** sig. aquatic invert.s, **Aa:** amphibians; (__): potential habitat; < >: sought, not found
*36 Exotics — Exotics/pests: **C:** crayfish, **B:** bullfrogs, **M:** mosquito fish, **D:** dogs/cats; **L:** *Lippia*, **P:** *Phalaris*, **X:** *Xanthium*, **G:** grasses
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SITE LOCATION AND IDENTIFICATION								PHYSICAL ENVIRONMENT									OTHER SITE INFO.			
Map Code No.	Sonoma County A.P. No.s	NDDB EO No.	Place Name	Geog. Sub-region	Owner	City Air Photo No.	Zoning - Gen'l Plan	Site Size (ac)	Contig. w/ Other Sig. Parcels?	Current Land Use	Proposed Land Use	Adjacent Land Uses	Soils	Hydrol. System	'Hardpan'	Water-shed	Years Surveyed	Level of Survey	Voucher ?	Photos ?
*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15	*16	*17	*18	*19	*20	*21
33A 13	046-021-14		Poncia north; east side Stony Pt. Road, north of Laguna, south of Wilfred	P	Poncia			34.17	1	Af		Af, Ap		P			P/87	D		

B I O T I C E N V I R O N M E N T

Habitats Present	Natural-ness	Major Influences	Acres Wet	Wet./Up Ratio	Wetland Breakdown	LABU	LIVI	BLBA	Other Primary Plants	Secondary Sensitive Plants	Dominant Plants	Spp. List Avail.?	Sensitive Wildlife	Exotics/ Pests	Threats	Restoration Potential
*22	*23	*24	*25	*26	*27	*28	*29	*30	*31	*32	*33	*34	*35	*36	*37	*38
a	A	C, D, g				-	-	E/1/87	-		Pleuro. cal. !!!			C	Af, Ai?	M

*1 Map Code Co. photo # + sequential # (contin. from Waaland, '89)
*2 A.P. No.s Sonoma County Assessor's Parcel number(s)
*3 EO No. Element Occurrence number with CNDDB (# - Species)
*4 Place Name General location name or description
*5 Geog. Sub- **W:** Windsor, **L:** Laguna, **U:** urban Santa Rosa (SR), **S:** SW SR, **N:** NW SR, **E:** E SR, **P:** S SR Plain, **R:** rural SR; **C:** Cotati
*6 Owner Owner of site
*7 City Photo Flight line number, SR city air photo (200-scale)
*8 Zoning Zoning/Gen.Plan ; __/Co = county, _ _/Cl = city
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