

Tables

**Table 2-1
Physical Parameters and Hydrological Data for 2007 Wetland and Pond Monitoring**

Pond Number	Depth (cm) and Sampling Month							Maximum Depth (cm)	Maximum Area (acres)	pH	Turbidity	Date of water quality measurement
	Dec 2006	Jan 2007	Feb 2007	Mar 2007	April 2007	May 2007	June 2007					
Pond 5	0	0	nm	17cm	nm	nm	0	17	1.6	7.2	5.1	3/06/2007
Pond 10	nm	50cm	nm	65cm	nm	nm	nm	65	2.1	7.71	461	3/06/2007
Pond 56	18cm	26cm	nm	60cm	54cm	43cm	0	60	0.46	6.78	9.8	3/06/2007
Pond 101East	0	0	nm	20cm	0	0	0	20	0.32	7.61	6.1	3/06/2007
Pond 8	0	0	nm	0	0	0	0	0	-	-	-	-
Pond 21	0	0	nm	0	0	0	0	0	-	-	-	-
Pond 30	0	0	nm	0	0	0	0	0	-	-	-	-

nm = not measured, either because pond was dry, or no additional rainfall since last depth measurement.

Table 2-2
List of Wetland Plant Species Encountered during 2007 Pond Vegetation Surveys.

Scientific Name	Common Name	Wetland Indicator Status
<i>Agrostis exarata</i>	Western bent-grass	FACW
<i>Aira caryophyllea</i>	silver hairgrass	NI
<i>Briza maxima</i>	big quaking grass	NI
<i>Briza minor</i>	little quaking grass	FACW
<i>Brodeia coronaria</i>	harvest brodeia	NI
<i>Bromus hordaceus</i>	soft chess	FACU
<i>Conyza sp.</i>	horseweed	NI
<i>Cotula coronopifolia</i>	brass buttons	FACW
<i>Distichlis spicata</i>	salt grass	FACW
<i>Eleocharis macrostachya</i>	pale spike rush	OBL
<i>Erodium botrys</i>	broadleaf filaree	NI
<i>Eryngium armatum</i>	coast eryngo	FACW
<i>Geranium dissectum</i>	cut-leaved geranium	NI
<i>Geranium sp</i>	geranium	NI
<i>Gnaphalium albo-luteum</i>	common cudweed	FACW
<i>Gnaphalium stramineum</i>	common cudweed	FACW
<i>Hypochaeris radicata</i>	hairy cat's ear	FACW
<i>Juncus phaeocephalus</i>	brown-headed rush	FACW
<i>Juncus xiphioides</i>	iris-leaved rush	OBL
<i>Lasthenia glaberrima</i>	smooth Lasthenia	OBL
<i>Lemna minor</i>	lesser duckweed	OBL
<i>Lolium multiflorum</i>	Italian ryegrass	NI
<i>Lythrum hyssopifolium</i>	grass poly	FACW
<i>Malvella leprosa</i>	alkali mallow	FAC
<i>Plantago coronopus</i>	sheep sorrel	FAC
<i>Polypogon monspeliensis</i>	rabbit's-foot grass	FACW
<i>Potamogeton nodosus</i>	long-leaved pondweed	OBL
<i>Ranunculus lobbii</i>	water buttercup	OBL
<i>Rumex acetosella</i>	sheep sorrel	FAC
<i>Rumex occidentalis</i>	western dock	OBL
<i>Scirpus californicus</i>	California tule	OBL
<i>Solidago californica</i>	California goldenrod	NI
<i>Sonchus oleraceus</i>	common sow-thistle	NI
<i>Stachys ajugoides</i>	bugle hedgenettle	OBL
<i>Triphysaria eriantha</i>	owl's clover	NI
<i>Typha latifolia</i>	broad-leaved cattail	OBL

* Not-native to California

Wetland Indicator Status Definitions:

- OBL – Obligate (>99% probability of occurrence in wetlands)
- FACW – Facultative wetland (>67% probability of occurrence in wetlands)
- FAC – Facultative (33% to 67% probability of occurrence in wetlands)
- FACU – Facultative upland (1% to 33% probability of occurrence in wetlands)
- UPL – Upland (<1% probability of occurrence in wetlands)
- NI – No indicator status assigned

Table 2-3
Percent cover of wetland plant species at Pond 5. Quadrat sampling locations are shown on Figure 2.

Zone 1- <i>Eleocharis</i> Zone (Lowest, at depth gauge)						Average Percent Cover
		Quadrat	1a	1b	1c	
<i>Eleocharis macrostachya</i>	pale spike-rush		48	41	38	42.3
	thatch		52	59	62	57.7
Zone 2- <i>Eleocharis-Distichlis</i> zone						
		Quadrat	2a	2b	2c	
<i>Eleocharis macrostachya</i>	pale spike-rush		16	12	15	14.3
<i>Distichlis spicata</i>	salt grass		22	28	31	27.0
	thatch		62	60	54	58.7
Zone 3 - <i>Juncus</i> zone (highest)						
		Quadrat	3a	3b	3c	
<i>Juncus species</i>	rush		22	22	31	25.0
	thatch		77	78	69	74.7
<i>Erodium botrys</i>	common filaree		1	0	0	0.3

Table 2-4
Percent cover of wetland plant species at Pond 10. Transect sampling location is shown on Figure 3.

Scientific name	Common name	Zone 1			Average Percent Cover for Zone 1
		Quadrat 1	2	3	
<i>Eleocharis macrostachya</i>	pale spike-rush	4	8	12	8.0
<i>Potamogeton nodosus</i>	long-leaved pondweed	0	4	84	29.3
mud/bare ground		0	0	4	1.3
<i>Cotula coronopifolia</i>	brass buttons	0	0	0	0.0
<i>Distichlis spicata</i>	salt grass	0	0	0	0.0
<i>Malvella leprosa</i>	alkali mallow	0	0	0	0.0
<i>Juncus phaeocephalus</i>	brown-headed rush	0	0	0	0.0
<i>Lythrum hyssopifolium</i>	grass poly	0	0	0	0.0
thatch		0	0	0	0.0
water		96	88	0	61.3

Submergent Vegetation measured on 6/20/07:

<i>Potamogeton nodosus</i>	long-leaved pondweed	Total estimated area = 450sqft Total estimated area = 750sqft total
<i>Eleocharis macrostachya</i>	pale spike-rush	

Scientific name	Common name	Quadrat	Zone 2											Average Percent Cover for Zone 2
			4	5	6	7	8	9	10	11	12	13	14	
thatch		0.0	32	84	84	84	76	76	88	88	84	76	60	69.3
<i>Eleocharis macrostachya</i>	pale spike-rush	20	24	12	8	8	12	12	6	6	8	12	20	12.3
<i>Juncus phaeocephalus</i>	brown-headed rush	4	28	4	8	8	12	12	6	6	8	12	20	10.7
mud/bare ground		64	16	0	0	0	0	0	0	0	0	0	0	6.7
<i>Cotula coronopifolia</i>	brass buttons	4	0	0	0	0	0	0	0	0	0	0	0	0.3
<i>Distichlis spicata</i>	salt grass	2	0	0	0	0	0	0	0	0	0	0	0	0.2
<i>Malvella leprosa</i>	alkali mallow	2	0	0	0	0	0	0	0	0	0	0	0	0.2

Table 2-5
Percent cover of wetland plant species at Pond 56. Quadrat sampling locations are shown on Figure 4.

Zone 1 - Edge of pond		Quadrat	1a	1b	1c	1d	Average Percent Cover
<i>Eleocharis macrostachya</i>	pale spike-rush		15	20	24	28	21.8
<i>Distichlis spicata</i>	salt grass		8	11	9	8	9.0
<i>Eleocharis acicularis</i>	needle spike-rush		0	0	1	1	0.5
Thatch			52	65	56	53	56.5
Water			25	4	10	10	12.3
Zone 2 - 10-ft upland of pond		Quadrat	2a	2b	2c		
<i>Distichlis spicata</i>	salt grass		34	18	0		17.3
Thatch			60	59	72		63.7
<i>Juncus sp</i>	rush		6	7	16		9.7
<i>Stachys ajugoides</i>	bugle hedgenettle		0	0	2		0.7
<i>Rumex acetosella</i>	sheep sorrel		0	0	2		0.7
grass sp	grass sp.		0	16	8		8.0
Zone 3 – 60- ft from pond edge (in depression)		Quadrat	3a	3b	3c		
<i>Distichlis spicata</i>	salt grass		6	18	15		13.0
<i>Juncus sp</i>	rush		1	0	1		0.7
<i>Plagiobothrys chorisianus var. hickmanii</i>	Hickman's popcorn flower		1	3	2		2.0
<i>Eryngium armatum</i>	coast eryngo		13	1	18		10.7
<i>Lasthenia glaberrima</i>	smooth Lasthenia		1	2	0		1.0
<i>Juncus phaeocephalus</i>	brown-headed rush		0	2	0		0.7
<i>Geranium dissectum</i>	cut-leaved geranium		0	14	8		7.3
<i>Elymus glaucus</i>	blue wild rye		0	1	0		0.3
<i>Plantago coronopus</i>	sheep sorrel		1	0	0		0.3
<i>Polypogon monspeliensis</i>	rabbit's-foot grass		1	0	0		0.3
<i>Briza minor</i>	little quaking grass		1	0	0		0.3
<i>Lythrum hyssopifolium</i>	grass poly		1	0	0		0.3
Thatch			49	55	56		53.3
bare ground			26	4	0		10.0

Table 5-1
2007 Burn Area fuel breaks vegetation transect data summary. Species are ranked by average percent cover.

Sp.Code	Scientific Name	Common Name	T1	T2	T3	Percent Cover						T10	T11	T12
						T4	T5	T6	T7	T8	T9			
ARTO	<i>Arctostaphylos t. tomentosa</i>	shaggy barked manzanita	20.4	52.4	46.4	68.6	29.8	86.4	73.2	82.8	31.9	18.2	27.6	48
bg		bare ground	20.1	4.8	13.8	9	7.6	15.6	8.2		28.2	21.2	10.8	24.6
ADFA	<i>Adenostoma fasciculatum</i>	chamise	16.5	16.2	12.2	5.6	9.6	7	10.5	9.2	5.8	3.4	20.6	5.6
ARPU	<i>Arctostaphylos pumila</i>	sandmat manzanita	32.2	1.2	27.4		49.8		1.4		2.3			5.2
SAME	<i>Salvia mellifera</i>	black sage	2.8	8.6	17.8	17.2			0.8		4.6	4	24.2	12.4
CERI	<i>Ceanothus cuneatus rigidus</i>	Monterey Ceanothus		37.2	6.6	9.6	2		5.9			5.6	4	1.2
BAPI	<i>Baccharis pilularis</i>	coyote brush				1		0.4				44		
CEDE	<i>Ceanothus dentatus</i>	dwarf Ceanothus				4.2					22.6			4
LECA	<i>Lepechinia calycina</i>	pitcher sage				2.8					2.6	3.2		
HEAR	<i>Heteromeles arbutifolia</i>	toyon								8				
LOSC	<i>Lotus scoparius</i>	deer weed												6
COJU *	<i>Cortaderia jubata</i>	pampas grass											5.8	
GAEL	<i>Garrya elliptica</i>	coast silktassel				2.6	0.8						1	
HESC	<i>Helianthemum scoparius</i>	rush rose												3.4
MIAU	<i>Mimulus aurantiacus</i>	sticky monkeyflower	0.8			0.2						0.6		
ERFA	<i>Ericameria fasciculata</i>	Eastwood's golden bush												1.4
TODI	<i>Toxicodendron diversilobum</i>	poison oak			1.4									
HOCU	<i>Horkelia c. cuneata</i>	Horkelia												1
SYMO	<i>Symphoricarpus mollis</i>	snowberry					1							
ARCA	<i>Artemisia californica</i>	California sagebrush											0.8	
Herb		herbaceous cover									0.6			
QUAG	<i>Quercus agrifolia</i>	coast live oak					0.4							
		Total cover	92.8	120.4	125.6	120.8	101	109.4	100	100	98.6	100.2	94.8	112.8

Table 5-1
2007 Burn Area fuel breaks vegetation transect data summary. Species are ranked by average percent cover.

Sp. Code	Scientific Name	Common Name	Range (%)	Aver. Cover %
ARTO	<i>Arctostaphylos t. tomentosa</i>	shaggy barked manzanita	18 - 86	48.8
bg		bare ground	5 - 28	13.7
ADFA	<i>Adenostoma fasciculatum</i>	chamise	3 - 21	10.2
ARPU	<i>Arctostaphylos pumila</i>	sandmat manzanita	1 - 50	10.0
SAME	<i>Salvia mellifera</i>	black sage	1 - 24	7.7
CERI	<i>Ceanothus cuneatus rigidus</i>	Monterey Ceanothus	1 - 37	6.0
BAPI	<i>Baccharis pilularis</i>	coyote brush	1 - 44	3.8
CEDE	<i>Ceanothus dentatus</i>	dwarf Ceanothus	4 - 22	2.6
LECA	<i>Lepechinia calycina</i>	pitcher sage	3	0.7
HEAR	<i>Heteromeles arbutifolia</i>	toyon	8	0.7
LOSC	<i>Lotus scoparius</i>	deer weed	6	0.5
COJU *	<i>Cortaderia jubata</i>	pampas grass	6	0.5
GAEL	<i>Garrya elliptica</i>	coast silktassel	1 - 3	0.4
HESC	<i>Helianthemum scoparius</i>	rush rose	3	0.3
MIAU	<i>Mimulus aurantiacus</i>	sticky monkeyflower	1	0.1
ERFA	<i>Ericameria fasciculata</i>	Eastwood's golden bush	1	0.1
TODI	<i>Toxicodendron diversilobum</i>	poison oak	1	0.1
HOCU	<i>Horkelia c. cuneata</i>	Horkelia	1	0.1
SYMO	<i>Symphoricarpus mollis</i>	snowberry	1	0.1
ARCA	<i>Artemisia californica</i>	California sagebrush	1	0.1
Herb		herbaceous cover	1	0.1
QUAG	<i>Quercus agrifolia</i>	coast live oak	0.4	0.0