

**Table 29. Percent Vegetative Cover by Species in Seasonal Wetland Habitat - Machine Gun Flats
2000 Annual Monitoring Report
Former Fort Ord, Monterey County, California**

Code	Scientific Name	Common Name	Transect 1									Average Cover (%)
			1	2	3	4	5	6	7	8	9	
Quadrat Number:			%	%	%	%	%	%	%	%	%	
			Cover	Cover	Cover	Cover	Cover	Cover	Cover	Cover	Cover	Cover (%)
AGEX	<i>Agrostis exarata</i>	western bent-grass										0.0
AICA	<i>Aira caryophylla</i> *	silvery hair-grass	15									1.7
ANAR	<i>Anagallis arvensis</i> *	scarlet pimpernel	5									0.6
BRMI	<i>Briza minor</i> *	small quaking grass	5									0.6
BRRG	<i>Bromus diandrus</i> *	rip gut										0.0
BRHO	<i>Bromus hordeaceus</i> *	soft chess										0.0
COMA	<i>Conium maculatum</i> *	poison hemlock										0.0
COBO	<i>Conyza bonariensis</i> *	South American conyza										0.0
COCO	<i>Cotula coronopifolia</i> *	brass buttons								10		1.1
DISP	<i>Distichlis spicata</i>	saltgrass	5	7								1.3
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush								15		1.7
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush			90	75	60	15	20	80	80	46.7
ERGL	<i>Erechtites glomerata</i> *	cut-leaved fireweed	15									1.7
ERBO	<i>Erodium botrys</i> *	long-beaked filaree										0.0
ERAR	<i>Eryngium armatum</i>	coast eryngo										0.0
HECO	<i>Hemizonia corymbosa</i>	coast tarweed										0.0
GECA	<i>Geranium carolinianum</i> *	Carolina geranium										0.0
GNLA	<i>Gnaphalium luteo-album</i> *	common cudweed	5									0.6
JULE	<i>Juncus lesueurii</i>	salt rush	20	90								12.2
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush		5	20		30					6.1
LETR	<i>Leymus triticoides</i>	beardless ryegrass	20	15								3.9
LOMU	<i>Lolium multiflorum</i> *	Italian ryegrass										0.0
LYHY	<i>Lythrum hyssopifolium</i> *	grass poly										0.0
MALE	<i>Malvella leprosa</i>	alkali mallow										0.0
PHLE	<i>Phalaris lemmonii</i>	Lemmon's canary grass										0.0
PLCH	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcorn flower										0.0
PLCO	<i>Plantago coronopus</i> *	cut-leaved plantain	5									0.6
POMA	<i>Polypogon maritimus</i> *	maritime beard-grass	5			10						1.7
POMO	<i>Polypogon monspeliensis</i> *	rabbitfoot grass			5							0.6
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed				35	35	80	80	35	35	33.3
RUCO	<i>Rumex crispus</i> *	curly dock		2								0.2
SOOL	<i>Sonchus oleraceus</i> *	common sow-thistle										0.0
STAJ	<i>Stachys a. ajugoides</i>	bugle-hedge nettle										0.0
VUMY	<i>Vulpia m. myuros</i> *	rat-tail fescue										0.0
Total Vegetative Cover			100	119	115	120	125	95	100	140	115	114.3
BG	..	Bare Ground										
DV	..	Dead Vegetation										
OW	..	Open Water						20	15		30	7.2
Total Cover			100	119	115	120	125	115	115	140	145	121.6

*Non-native species

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Code	Scientific Name	Common Name	Transect 2									Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %	
AGEX	<i>Agrostis exarata</i>	western bent-grass										0.0
AICA	<i>Aira caryophyllea</i> *	silvery hair-grass										0.0
ANAR	<i>Anagallis arvensis</i> *	scarlet pimpernel										0.0
BRMI	<i>Briza minor</i> *	small quaking grass										0.0
BRRG	<i>Bromus diandrus</i> *	rip gut										0.0
BRHO	<i>Bromus hordeaceus</i> *	soft chess										0.0
COMA	<i>Conium maculatum</i> *	poison hemlock										0.0
COBO	<i>Conyza bonariensis</i> *	South American conyza										0.0
COCO	<i>Cotula coronopifolia</i> *	brass buttons										0.0
DISP	<i>Distichlis spicata</i>	saltgrass										0.0
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush				35	15					5.6
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush			10	20	85	75	35	75	30	36.7
ERGL	<i>Erechtites glomerata</i> *	cut-leaved fireweed		2								0.2
ERBO	<i>Erodium botrys</i> *	long-beaked filaree										0.0
ERAR	<i>Eryngium armatum</i>	coast eryngo		5								0.6
HECO	<i>Hemizonia corymbosa</i>	coast tarweed										0.0
GECA	<i>Geranium carolinianum</i> *	Carolina geranium										0.0
GNLA	<i>Gnaphalium luteo-album</i> *	common cudweed										0.0
JULE	<i>Juncus lesueurii</i>	salt rush	75	95	90	30						32.2
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush				25	5					3.3
LETR	<i>Leymus triticoides</i>	beardless ryegrass	10									1.1
LOMU	<i>Lolium multiflorum</i> *	Italian ryegrass										0.0
LYHY	<i>Lythrum hyssopifolium</i> *	grass poly										0.0
MALE	<i>Malvella leprosa</i>	alkali mallow										0.0
PHLE	<i>Phalaris lemmonii</i>	Lemmon's canary grass										0.0
PLCH	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcorn flower										0.0
PLCO	<i>Plantago coronopus</i> *	cut-leaved plantain										0.0
POMA	<i>Polypogon maritimus</i> *	maritime beard-grass						2		2	2	0.7
POMO	<i>Polypogon monspeliensis</i> *	rabbitfoot grass					1					0.1
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed					15	30	70	30	60	22.8
RUCO	<i>Rumex crispus</i> *	curly dock										0.0
SOOL	<i>Sonchus oleraceus</i> *	common sow-thistle										0.0
STAJ	<i>Stachys a. ajugoides</i>	bugle-hedge nettle	3							2		0.6
VUMY	<i>Vulpia m. myuros</i> *	rat-tail fescue										0.0
Total Vegetative Cover			88	102	100	110	121	107	105	109	92	103.8
BG	--	Bare Ground	10									1.1
DV	--	Dead Vegetation	10									1.1
OW	--	Open Water							15		25	4.4
Total Cover			108	102	100	110	121	107	120	109	117	110.4

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Code	Scientific Name	Common Name	Transect 3						Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %	
Quadrat Number:			Cover	Cover	Cover	Cover	Cover	Cover	
AGEX	<i>Agrostis exarata</i>	western bent-grass							0.0
AICA	<i>Aira caryophyllea*</i>	silvery hair-grass	40						6.7
ANAR	<i>Anagallis arvensis*</i>	scarlet pimpernel							0.0
BRMI	<i>Briza minor*</i>	small quaking grass		5					0.8
BRRG	<i>Bromus diandrus*</i>	rip gut							0.0
BRHO	<i>Bromus hordeaceus*</i>	soft chess							0.0
COMA	<i>Conium maculatum*</i>	poison hemlock							0.0
COBO	<i>Conyza bonariensis*</i>	South American conyza							0.0
COCO	<i>Colula coronopifolia*</i>	brass buttons							0.0
DISP	<i>Distichlis spicata</i>	saltgrass			15				2.5
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush			30	20	15	20	14.2
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush			30	60	55	95	40.0
ERGL	<i>Erechtites glomerata*</i>	cut-leaved fireweed							0.0
ERBO	<i>Erodium botrys*</i>	long-beaked filaree							0.0
ERAR	<i>Eryngium armatum</i>	coast eryngo	15						2.5
HECO	<i>Hemizonia corymbosa</i>	coast tarweed	5						0.8
GECA	<i>Geranium carolinianum*</i>	Carolina geranium							0.0
GNLA	<i>Gnaphalium luteo-album*</i>	common cudweed							0.0
JULE	<i>Juncus lesueurii</i>	salt rush							0.0
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush		75	15	30	45		27.5
LETR	<i>Leymus triticoides</i>	beardless ryegrass	3						0.5
LOMU	<i>Lolium multiflorum*</i>	Italian ryegrass							0.0
LYHY	<i>Lythrum hyssopifolium*</i>	grass poly		5					0.8
MALE	<i>Malvella leprosa</i>	alkali mallow				5			0.8
PHLE	<i>Phalaris lemmonii</i>	Lemmon's canary grass				1			0.2
PLCH	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcorn flower				2			0.3
PLCO	<i>Plantago coronopus*</i>	cut-leaved plantain							0.0
POMA	<i>Polypogon monilimus*</i>	maritime beard-grass		5					0.8
POMO	<i>Polypogon monspeliensis*</i>	rabbitfoot grass			3				0.5
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed							0.0
RUCO	<i>Rumex crispus*</i>	curly dock							0.0
SOOL	<i>Sonchus oleraceus*</i>	common sow-thistle							0.0
STAJ	<i>Stachys a. ajugoides</i>	bugle-hedge nettle	5	10					2.5
VUMY	<i>Vulpia m. myuros*</i>	rat-tail fescue	45						7.5
Total Vegetative Cover			113	100	93	118	115	115	109.0
BG	--	Bare Ground			7				1.2
DV	--	Dead Vegetation							
OW	--	Open Water							
Total Cover			113	100	100	118	115	115	110.2

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Code	Scientific Name	Quadrat Number:	Transect 5									Average Cover (%)	
			1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %	9 %		
AGEX	<i>Agrostis exarata</i>	western bent-grass	15										1.7
AICA	<i>Aira caryophyllica</i> *	silvery hair-grass											0.0
ANAR	<i>Anagallis arvensis</i> *	scarlet pimpernel											0.0
BRMI	<i>Briza minor</i> *	small quaking grass											0.0
BRRG	<i>Bromus diandrus</i> *	rip gut	8										0.9
BRHO	<i>Bromus hordeaceus</i> *	soft chess											0.0
COMA	<i>Conium maculatum</i> *	poison hemlock											0.0
COBO	<i>Coryza bonariensis</i> *	South American conyza											0.0
COCO	<i>Cotula coronopifolia</i> *	brass buttons	1										0.1
DISP	<i>Distichlis spicata</i>	saltgrass	5	10									2.2
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush			65	90	10						25.0
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush			15	65	30	30	10				33.9
ERGL	<i>Erechtites glomerata</i> *	cut-leaved fireweed											0.0
ERBO	<i>Erodium botrys</i> *	long-beaked filaree											0.0
ERAR	<i>Eryngium armatum</i>	coast eryngo	3	20	20								4.8
HECO	<i>Hemizonia corymbosa</i>	coast tarweed											0.0
GECA	<i>Geranium carolinianum</i> *	Carolina geranium											0.0
GNLA	<i>Gnaphalium luteo-album</i> *	common cudweed											0.0
JULE	<i>Juncus lesuetui</i>	salt rush	5	40	2								5.2
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush	15	10	10								5.0
LETR	<i>Leymus triticoides</i>	beardless ryegrass											0.0
LOMU	<i>Lolium multiflorum</i> *	Italian ryegrass	2										0.2
LYHY	<i>Lythrum hyssopifolium</i> *	grass poly											0.0
MALE	<i>Malva leprosa</i>	alkali mallow			1								0.1
PHLE	<i>Phalaris lemmonii</i>	Lemmon's canary grass											0.0
PLCH	<i>Plagiobolus chortisianus hickmanii</i>	Hickman's popcorn flower											0.0
PLCO	<i>Plantago coronopus</i> *	cut-leaved plantain	3										0.3
POMA	<i>Polygonon muniflorum</i> *	meritime beard-grass	2	3		2							0.8
POMO	<i>Polygonon monspeliensis</i> *	rabbitfoot grass											6.1
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed			55								17.0
RUCO	<i>Rumex crispus</i> *	curly dock								30	90	30	0.0
SOOL	<i>Sonchus oleraceus</i> *	common sow-thistle											0.0
STAJ	<i>Stachys a. albugoides</i>	bugle-hedge nettle	10										1.1
VUMY	<i>Vulpia m. myuros</i> *	rat-tail fescue	10	3									1.4
Total Vegetative Cover			55	100	103	140	125	70	100	130	105.9		
BG	..	Bare Ground	10										1.1
DV	..	Dead Vegetation	35										3.9
OW	..	Open Water						30	10				4.4
Total Cover			100	100	103	140	125	100	110	130	115.3		

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Code	Scientific Name	Quadrat Number:	Transact 6						Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %	
AGEX	<i>Agrostis exarata</i>								0.0
AICA	<i>Aira caryophyllia</i> *								0.0
ANAR	<i>Anagallis arvensis</i> *								0.0
BRMI	<i>Briza minor</i> *								0.0
BRRO	<i>Bromus diandrus</i> *								0.0
BRHO	<i>Bromus hordeaceus</i> *								0.0
COMA	<i>Conium maculatum</i> *								0.0
COBO	<i>Conyza bonariensis</i> *								0.0
COCO	<i>Cotula coronopifolia</i> *								0.0
DISP	<i>Distichlis spicata</i>		7	10		1	2		3.3
ELAC	<i>Eleocharis a. acicularis</i>			2					0.3
ELMA	<i>Eleocharis macrostachya</i>		35	90	90	95	100	90	83.3
ERGL	<i>Erechtites glomerata</i> *								0.0
ERBO	<i>Erodium botrys</i> *		8						1.3
ERAR	<i>Eryngium armatum</i>								0.0
HECO	<i>Hemizonia corymbosa</i>								0.0
GECA	<i>Geranium carolinianum</i> *		3						0.5
GNLA	<i>Gnaphalium luteo-album</i> *		12	2					2.3
JULE	<i>Juncus lesueurii</i>								0.0
JUPH	<i>Juncus phaecephalus</i>		5	25	25	30	25		18.3
LETR	<i>Leymus triticoides</i>		65						10.8
LOMU	<i>Lolium multiflorum</i> *								0.0
LYHY	<i>Lythrum hyssopifolium</i> *								0.0
MALE	<i>Malva leprosa</i>								0.0
PHLE	<i>Phalaris lemmonii</i>								0.0
PLCH	<i>Plagiobolus chorisianus hickmanii</i>								0.0
PLCO	<i>Plantago coronopus</i> *		2	1					0.5
POMA	<i>Polygonum maritimum</i> *								0.0
POMO	<i>Polygonum monspeliensis</i> *								0.0
PONO	<i>Potamogeton nodosus</i>								0.0
RUCO	<i>Rumex crispus</i> *								0.0
SOOL	<i>Sonchus oleraceus</i> *		1	5					1.0
STAJ	<i>Stachys a. albugoides</i>								0.0
VUUY	<i>Vulpia m. myuros</i> *								0.0
Total Vegetative Cover			109	124	130	120	131	117	121.8
BG	..	Bare Ground	50						8.3
DV	..	Dead Vegetation							
OW	..	Open Water							
Total Cover			159	124	130	120	131	117	130.2

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Code	Scientific Name	Common Name	Transect 7						Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %	
AGEX	<i>Agrostis exarata</i>	western bent-grass							0.0
AICA	<i>Aira caryophyllea</i> *	silvery hair-grass							0.0
ANAR	<i>Anagallis arvensis</i> *	scarlet pimpernel							0.0
BRMI	<i>Briza minor</i> *	small quaking grass							0.0
BRRG	<i>Bromus diandrus</i> *	rip gut							0.0
BRHO	<i>Bromus hordeaceus</i> *	soft chess							0.0
COMA	<i>Conium maculatum</i> *	poison hemlock	15	3	3				3.5
COBO	<i>Conyza bonariensis</i> *	South American conyza							0.0
COCO	<i>Cotula coronopifolia</i> *	brass buttons							0.0
DISP	<i>Distichlis spicata</i>	saltgrass							0.0
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush							0.0
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush				70	60	40	28.3
ERGL	<i>Erechtites glomerata</i> *	cut-leaved fireweed							0.0
ERBO	<i>Erodium botrys</i> *	long-beaked filaree							0.0
ERAR	<i>Eryngium armatum</i>	coast eryngo							0.0
HECO	<i>Hemizonia corymbosa</i>	coast tarweed							0.0
GECA	<i>Geranium carolinianum</i> *	Carolina geranium							0.0
GNLA	<i>Gnaphalium luteo-album</i> *	common cudweed							0.0
JULE	<i>Juncus lesueurii</i>	salt rush		30	25				9.2
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush	10			60	50	70	31.7
LETR	<i>Leymus triticoides</i>	beardless ryegrass	100	100	100				50.0
LOMU	<i>Lolium multiflorum</i> *	Italian ryegrass							0.0
LYHY	<i>Lythrum hyssopifolium</i> *	grass poly							0.0
MALE	<i>Malvella leprosa</i>	alkali mallow			10				1.7
PHLE	<i>Phalans lemmonii</i>	Lemmon's canary grass							0.0
PLCH	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcorn flower							0.0
PLCO	<i>Plantago coronopus</i> *	cut-leaved plantain							0.0
POMA	<i>Polypogon maritimus</i> *	maritime beard-grass							0.0
POMO	<i>Polypogon monspeliensis</i> *	rabbitfoot grass							0.0
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed							0.0
RUCO	<i>Rumex crispus</i> *	curly dock							0.0
SOOL	<i>Sonchus oleraceus</i> *	common sow-thistle							0.0
STAJ	<i>Stachys a. ajugoides</i>	bugle-hedge nettle							0.0
VUMY	<i>Vulpia m. myuros</i> *	rat-tail fescue							0.0
Total Vegetative Cover			125	133	138	130	110	110	124.3
BG	..	Bare Ground							
DV	..	Dead Vegetation							
OW	..	Open Water							
Total Cover			125	133	138	130	110	110	124.3

*Non-native species

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Code	Scientific Name	Common Name	Transect 8						Average Cover (%)	Combined Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %		
AGEX	<i>Agrostis exarata</i>	western bent-grass							0.0	0.24
AICA	<i>Aira caryophylla</i> *	silvery hair-grass							0.0	1.19
ANAR	<i>Anagallis arvensis</i> *	scarlet pimpernel	3						0.5	0.15
BRMI	<i>Briza minor</i> *	small quaking grass	5						0.8	0.32
BRRG	<i>Bromus diandrus</i> *	rip gut	1						0.2	0.15
BRHO	<i>Bromus hordeaceus</i> *	soft chess		5					0.8	0.12
COMA	<i>Conium maculatum</i> *	poison hemlock							0.0	0.50
COBO	<i>Conyza bonariensis</i> *	South American conyza	3						0.5	0.07
COCO	<i>Cotula coronopifolia</i> *	brass buttons			5				0.8	0.29
DISP	<i>Distichlis spicata</i>	saltgrass	2						0.3	1.39
ELAC	<i>Eleocharis a. acicularis</i>	needle spike-rush				20	40	20	13.3	8.58
ELMA	<i>Eleocharis macrostachya</i>	pale spike-rush			55	35	30	65	30.8	42.82
ERGL	<i>Erechtites glomerata</i> *	cut-leaved firweed	1						0.2	0.29
ERBO	<i>Erodium botrys</i> *	long-beaked filaree							0.0	0.19
ERAR	<i>Eryngium amatum</i>	coast eryngo							0.0	1.12
HECO	<i>Hemizonia corymbosa</i>	coast tarweed							0.0	0.12
GECA	<i>Geranium carolinianum</i> *	Carolina geranium							0.0	0.07
GNLA	<i>Gnaphalium luteo-album</i> *	common cudweed							0.0	0.41
JULE	<i>Juncus lesueurii</i>	salt rush	35	25	20				13.3	10.31
JUPH	<i>Juncus phaeocephalus</i>	brown-headed rush		50	15			25	15.0	15.28
LETR	<i>Leymus triticoides</i>	beardless ryegrass	45	2					7.8	10.60
LOMU	<i>Lolium multiflorum</i> *	Italian ryegrass							0.0	0.03
LYHY	<i>Lythrum hyssopifolium</i> *	grass poly							0.0	0.12
MALE	<i>Malvella leprosa</i>	alkali mallow							0.0	0.37
PHLE	<i>Phalaris lemmonii</i>	Lemmon's canary grass							0.0	0.02
PLCH	<i>Plagiobothrys chonisiannus hickmanii</i>	Hickman's popcorn flower							0.0	0.05
PLCO	<i>Plantago coronopus</i> *	cut-leaved plantain							0.0	0.13
POMA	<i>Polypogon maritimus</i> *	maritime beard-grass	3					15	3.0	1.06
POMO	<i>Polypogon monspeliensis</i> *	rabbitfoot grass		15	10				4.2	1.63
PONO	<i>Potamogeton nodosus</i>	long-leaved pondweed				15	25		6.7	11.40
RUCO	<i>Rumex crispus</i> *	curly dock	2		5				1.2	0.20
SOOL	<i>Sonchus oleraceus</i> *	common sow-thistle		3					0.5	0.21
STAJ	<i>Stachys a. ajugoides</i>	bugle-hedge nettle							0.0	0.60
VUMY	<i>Vulpia m. myuros</i> *	rat-tail fescue							0.0	1.28
Total Vegetative Cover			100	100	110	70	95	125	100.0	111.31
BG	..	Bare Ground								1.67
DV	..	Dead Vegetation								0.71
OW	..	Open Water				30	10		6.7	3.25
Total Cover			100	100	110	100	105	125	106.7	116.95

*Non-native species