

TABLES

**Table 1. Special Status Species with Monitoring Requirements in the Fort Ord Multispecies
Habitat Management Plan for Unexploded Ordnance Removal Activities
1998 Annual Monitoring Report, Former Fort Ord, Monterey, California**

Scientific Name	Common Name	Status (a)	CNPS RED Code	Habitat
Plants				
<i>Gilia tenuiflora arenaria</i>	sand gilia	FE/ST/1B	3-2-3	Sandy openings in coastal dunes, scrub and maritime chaparral
<i>Chorizanthe p. pungens</i>	Monterey spineflower	FT/--/1B	2-2-3	Colonizes recently disturbed sandy sites in coastal dune, coastal scrub, grassland, and maritime chaparral habitats
<i>Cordylanthus rigidus littoralis</i>	seaside bird's-beak	--/SE/1B	2-3-3	Sandy soils of stabilized dunes, maritime chaparral, coastal scrub, and closed-cone coniferous forest
<i>Arctostaphylos montereyensis</i>	Monterey manzanita	SC/--/1B	3-2-3	Stabilized sandy soils and badlands in maritime chaparral
<i>Arctostaphylos pumila</i>	sandmat manzanita	SC/--/1B	3-2-3	Sand hills of maritime chaparral and coast live oak woodland
<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	SC/--/4	1-2-3	Sandy hills and flats of maritime chaparral, closed-cone coniferous forests, and coastal scrub
<i>Ericameria fasciculata</i>	Eastwood's ericameria	SC/--/1B	3-3-3	Coastal dune and scrub, maritime chaparral, and closed-cone coniferous forest
<i>Erysimum ammophilum</i>	coast wallflower	C2/--/1B	2-2-3	Coastal dunes
<i>Piperia yadonii</i>	Yadon's piperia	PE/--/1B	3-3-3	Sandy soil in maritime chaparral, coastal scrub, and closed-cone coniferous forest
<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita	--/--/1B	2-2-3	Sand Hill and Aromas Formations, maritime chaparral and closed-cone coniferous forest

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Scientific Name	Common Name	Status (a)	CNPS RED Code	Habitat
Reptile				
<i>Anniella pulchra nigra</i>	California black-legless lizard	--/--/CSC	NA	Moist, warm habitats with loose soil and low-growing plant cover located on beaches and chaparral with sandy soils
Amphibian				
<i>Rana aurora draytonii</i>	Red-legged frog	T/--/CSC	NA	Lowlands, foothill woodland, grasslands near marshes, lakes, ponds or other permanent water sources with extensive emergent vegetation
<i>Ambystoma tigrinum californiense</i>	California Tiger Salamander	FC/--/CSC	NA	Grassland and oak woodland with scattered ponds, intermittent streams or vernal pools, upland habitat with rodent burrows required in summer
Invertebrate				
<i>Linderiella occidentalis</i>	California linderiella	-/-/-	NA	Low lying areas, temporary water sources, vernal pools and ponds

Footnotes:

(a) Status (Plants: Federal/State/CNPS: Reptile: Federal/State/California Department of Fish and Game):

STATUS CODES, LAWS and LISTS

FEDERAL

FE Listed as endangered under the Federal Endangered Species Act (16 U.S.C. 1531 *et seq.*)

FT Listed as threatened under the Federal Endangered Species Act (16 U.S.C. 1531 *et seq.*)

List: *Federal Register 50 CFR 17.11 & 17.12*

FC Federal Candidate for listing by the Federal Government (Former Category 1 Candidate for listing).

SC U.S. Fish and Wildlife Service designated "Species of Concern" (Former Category 2 Candidate for listing)

List: *Federal Register 50 CFR 17*

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STATE

SE Listed as endangered under the California Endangered Species Act (California Fish and Game Code Division 3, Chapter 1.5, Article 2)
ST Listed as threatened under the California Endangered Species Act (California Fish and Game Code Chapter 1.5)
Lists: *California Department of Fish and Game, 1995. Designated Endangered, Threatened and Rare Plants and Candidates with Official Listing Dates.* September.
Special Animals, 1994. California Department of Fish and Game, Natural Heritage Division, Natural Diversity Data Base. August.
Special Plants List, 1996. California Department of Fish and Game, Natural Heritage Division, Natural Diversity Data Base. July.

CSC California Species of Special Concern
List: *Special Animals, 1994. California Department of Fish and Game, Natural Heritage Division, Natural Diversity Data Base.* August.

CNPS

List 1B Plants considered by CNPS as rare in California and elsewhere
List 4 Plants CNPS considers to have limited distributions-a watch list

CNPS R-E-D Code

R (Rarity)

- 1 Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction is low at this time
- 2 Distributed in a limited number of occurrences, occasionally more if each occurrence is small
- 3 Distributed in one to several highly restricted occurrences, or present in such small numbers that is seldom reported

E (Endangerment)

- 2 Endangered in a portion of its range
- 3 Endangered throughout its range

D (Distribution)

- 3 Endemic to California

Lists: *Skinner, M.W. and B.M. Pavlik (eds), 1994. California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California, California Native Plant Society Special Publication No. 1 (Fifth Edition). Sacramento, California 338 pp.*

**Table 2. Site 10A Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Clipped Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common name	Transect I 142.5		Transect II 142.6		Transect III 143.6		Transect IV 144.5		Transect V 141.5		Transect VI 146.6	
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	4.7	3.3	14.1	9.9	7.6	5.3	19.7	13.6	1.3	0.9	47.0	32.1
AG	<i>Agrostis pallens</i>	leafy bent grass							14.8	10.2				
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita			2.4	1.7								
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	48.1	33.8	2.9	2.0	22.1	15.4	14.3	9.9			14.7	10.0
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita							7.4	5.1				
AT	<i>Arctostaphylos l. tomentosa</i>	shaggy-barked manzanita	1.5	10.5	7.7	54.0	2.4	1.7	50.8	35.2	4.2	3.0	12.8	8.7
BP	<i>Baccharis pilularis</i>	coyote brush	12.7	8.9	0.6	0.4	1.4	1.0			6.5	4.6		
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus												
CD	<i>Ceanothus densatus</i>	cropleaf ceanothus												
CE	<i>Carpobrotus edulis</i> *	Hottentot fig									9.6	6.8		
CF	<i>Castilleja foliolosa</i>	woolly indian paintbrush							0.3	0.2				
CJ	<i>Cortaderia jubata</i> *	jubata grass	2.3	1.6			1.3	0.9						
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	3	2.1	3.3	2.3			8.4	5.8			0.5	0.3
EF	<i>Ericameria fasciculata</i>	Eastwood's golden bush							1.2	0.8	1.6	1.1		
GE	<i>Garrya elliptica</i>	coast silk-tassel	29.8	20.9										
HA	<i>Heteromeles arbutifolia</i>	toyon	4.8	3.4	7	4.9	10.1	7.0						
HS	<i>Helianthemum scoparium</i>	peak rush-rose			0.2	0.1			0.8	0.6				
LC	<i>Lepedochia calycina</i>	pitcher sage	0.6	0.4										
LF	<i>Lessingia flaginifolia californica</i>	California aster							1	0.7			1.1	0.8
LS	<i>Lotus scoparius</i>	deer brush											0.2	0.1
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	18.5	13.0	4.3	3.0			0.3	0.2	7.9	5.6	5.7	3.9
PM	<i>Pickeringia montana</i>	chaparral pea			1.5	1.1			2	1.4	3.3	23.3		
QA	<i>Quercus a. agrifolia</i>	coast live oak									0.4	0.3		
RC	<i>Rhamnus c. californica</i>	California coffeeberry			1.6	1.1								
SM	<i>Salvia mellifera</i>	black sage			4.2	2.9					6.1	4.3		
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak	2.2	1.5			0.2	0.1	1.4	1.0	3.9	2.8		
Total Species Cover Calculated by Line Intercept Method			141.7	99.4	119.1	83.5	45.1	31.4	122.4	84.7	74.5	52.7	82.0	55.9
BG	--	Bare Ground	15.4	10.8	27.2	19.1	43.6	30.4	43.6	30.2	44.3	31.3	16.8	11.5
VG	--	Vegetated ground	51.8	36.4	12.5	8.8	64.1	44.6	4.4	3.0	29.9	21.1	51.4	35.1
Total Cover				146.6		111.4		106.4		117.9		105.1		102.5

* Non-native species

**Table 2. Site 10A Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Clipped Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet): Common name	Transect 16 142.5		Transect 17 141.5		Transect 18 142.1		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	9.8	6.9	4.8	3.4	10.4	7.3	9.27
AG	<i>Agrostis pallens</i>	leafy bent grass							1.15
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita			8.9	6.3	15.9	11.2	2.11
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	75.1	52.7			3.4	2.4	14.03
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita							0.57
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	1.6	11.2	20.5	14.5	14.7	10.3	16.58
BP	<i>Baccharis pilularis</i>	coyote brush			4	2.8	20.8	14.6	3.57
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	0.1	0.1	2.8	2.0	8.9	6.3	0.92
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus			5.6	4.0	4.8	3.4	0.81
CE	<i>Carpobrotus edulis</i> *	Hottentot fig					2.8	2.0	0.96
CF	<i>Castilleja foliolosa</i>	woolly indian paintbrush							0.02
CJ	<i>Cortaderia jubata</i> *	jubata grass					11.6	8.2	1.18
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	4.5	3.2	2.6	1.8			1.73
EF	<i>Eriocameria fasciculata</i>	Eastwood's golden bush							0.22
GE	<i>Garrya elliptica</i>	coast silk-tassel			3.1	2.2			2.56
HA	<i>Heteromeles arbutifolia</i>	toyon			1.8	1.3			1.84
HS	<i>Helianthemum scoparium</i>	peak rush-rose			11.7	8.3	2.1	1.5	1.15
LC	<i>Lepechinia calycina</i>	pitcher sage			5.3	3.7	1.3	0.9	0.56
LF	<i>Lassingia flaginifolia californica</i>	California aster							0.16
LS	<i>Lotus scoparius</i>	deer brush					2.6	1.8	0.22
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	5.2	3.6	1.4	1.0			3.36
PM	<i>Pickeringia montana</i>	chaparral pea							2.84
QA	<i>Quercus a. agrifolia</i>	coast live oak							0.03
RC	<i>Rhamnus c. californica</i>	California coffeeberry							0.12
SM	<i>Salvia mellifera</i>	black sage							0.80
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak							0.60
Total Species Cover Calculated by Line Intercept Method			110.7	77.7	72.5	51.2	99.3	69.9	67.4
BG	--	Bare Ground	31.5	22.1	16.7	11.8	5.3	3.7	18.98
VG	--	Vegetated ground	17.2	12.1	66.0	46.6	91.0	64.0	30.16
Total Cover				111.9		109.7		137.6	116.5

* Non-native species

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**Table 3. Site 10A Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Burned Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet): Common name	Transect 5 140.3		Transect 6 142.0		Transect 7 138.7		Transect 8 139.2		Transect 9 142.2	
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	0.7	0.5	1.2	0.8	4.6	3.3	16.5	11.9	9.8	6.9
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita	3.2	2.3					5	3.6	3.8	2.7
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita									0.7	0.5
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	23	16.4	31.4	22.1	6.7	4.8	42.7	30.7	4	2.8
BP	<i>Baccharis pilularis</i>	coyote brush	2.8	2			0.6	0.4	1.9	1.4	0.8	0.6
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	7.8	5.6	6.6	4.6	1.2	0.9	1.9	1.4	0.4	0.3
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	1	0.7	37.9	26.7						
CE	<i>Carpobrotus edulis</i> *	Hottentot fig			5.7	4	9.8	7.1	1.8	1.3	0.4	0.3
CJ	<i>Cortaderia jubata</i> *	jubata grass	5.8	4.1			1.9	1.4			2.3	1.6
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow			2	1.4					9.7	6.8
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush			0.5	0.4						
GE	<i>Garrya elliptica</i>	coast silk-tassel	1.7	1.2								
HA	<i>Heteromeles arbutifolia</i>	toyon			0.3	0.2			10.8	7.8		
HS	<i>Helianthemum scoparium</i>	peak rush-rose	26.7	19	30.7	21.6	34	24.5	28.3	20.3	38.3	26.9
LC	<i>Lepechinia calycina</i>	pitcher sage	3.9	2.8	0.2	0.1			5.1	3.7		0.0
LS	<i>Lotus scoparius</i>	deer brush					5.1	3.7	5.5	4.0	31.7	22.3
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower							6.4	4.6		
RC	<i>Rhamnus c. californica</i>	California coffeeberry			0.2	0.1						
SM	<i>Salvia mellifera</i>	black sage									0.2	0.1
SU	<i>Solanum umbelliferum</i>	blue witch							0.2	0.1		
Total Species Cover Calculated by Line Intercept method			216.9	54.6	258.7	82.0	202.6	46.1	265.3	90.6	244.3	71.8
BG	--	Bare Ground	19.8	14.1	46.4	32.7	12.1	8.7	7.7	5.5	24.8	17.4
VG	--	Vegetated Ground	57.8	41.2	1.4	1.0	75.0	54.1	31.6	22.7	56.0	39.4
Total Cover				109.9		115.7		108.9		118.8		128.6

* Non-native species

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**Table 3. Site 10A Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Burned Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet); Common name	Transect 10 139.9		Transect 12 141.2		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	1.0	0.7	40.3	28.5	7.53
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita					1.22
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	0.9	0.6			0.16
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	11.8	8.4			12.16
BP	<i>Baccharis pilularis</i>	coyote brush	0.3	0.2			0.65
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	1.2	0.9			1.94
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	0.6	0.4			4.02
CE	<i>Carpobrotus edulis</i> *	Hottentot fig					1.80
CJ	<i>Cortaderia jubata</i> *	jubata grass	1.2	0.9			1.14
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow					1.19
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush					0.05
GE	<i>Garrya elliptica</i>	coast silk-tassel					0.17
HA	<i>Heteromeles arbutifolia</i>	toyon					1.13
HS	<i>Helianthemum scoparium</i>	peak rush-rose	29.3	20.9			19.04
LC	<i>Lepechinia calycina</i>	pitcher sage					0.94
LS	<i>Lotus scoparius</i>	deer brush	12.3	8.8	7.9	5.6	6.35
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	0.3	0.2			0.68
RC	<i>Rhamnus c. californica</i>	California coffeeberry					0.02
SM	<i>Salvia mellifera</i>	black sage					0.02
SU	<i>Solanum umbelliferum</i>	blue witch					0.02
Total Species Cover Calculated by Line Intercept method			198.8	42.1	189.4	34.1	60.2
BG	--	Bare Ground	37.4	26.7	26.0	18.4	17.71
VG	--	Vegetated Ground	70.9	50.7	91.7	64.9	39.08
Total Cover				119.5		117.5	60.24

* Non-native species

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**Table 4. Site 10A Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Transitional Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet): Common name	Transect 4 135.0		Transect 14 138.4		Transect 15 142.2		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	6.2	4.6	2	1.4	12.2	8.6	4.91
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	15.7	11.6		0.0		0.0	3.78
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	2.9	2.1		0.0	4.3	3.0	1.73
BP	<i>Baccharis pilularis</i>	coyote brush	0.2	0.1	4.3	3.1		0.0	1.08
CE	<i>Carpobrotus edulis</i> *	Hottentot fig		0.0	3.7	2.7		0.0	0.89
CT	<i>Ceanothus thyrsiflorus</i>	blue-blossom ceanothus	2.3	1.7		0.0		0.0	0.55
EE	<i>Ericameria ericoides</i>	mock heather			0.9	0.7		0.0	0.22
HS	<i>Helianthemum scoparium</i>	peak rush-rose		0.0	17.7	12.8	33.6	23.6	12.34
LC	<i>Lepechinia calycina</i>	jubata grass	6.5	4.8		0.0		0.0	1.56
LS	<i>Lotus scoparius</i>	deer brush		0.0	33	23.8	6.1	4.3	9.41
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	13.8	10.2		0.0		0.0	3.32
QA	<i>Quercus a. agrifolia</i>	coast live oak	28	20.7	25	18.1	8.3	5.8	14.75
SM	<i>Salvia mellifera</i>	black sage	10.4	7.7	0.6	0.4		0.0	2.65
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak	3.8	2.8	1.7	1.2		0.0	1.32
BG	--	Bare ground	9.5	7.0	4.9	3.5	8.3	5.8	5.46
VG	--	Vegetated Ground	111.1	82.3	105.3	76.1	122.3	86.0	81.50
Total Cover				66.5		64.2		45.4	58.52

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Table 5. Site 10A Percent Cover for Herbaceous Sampling in Clipped Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 17					Average Cover (%)	Transect 18					Average Cover (%)	Combined Average Cover (%)
			1 Cover	2 Cover	3 Cover	4 Cover	5 Cover		1 Cover	2 Cover	3 Cover	4 Cover	5 Cover		
AB	<i>Avena barbata</i> *	slender wild oat					1	0.2						0.0	0.03
AC	<i>Aira caryophyllica</i> *	silver hairgrass		65		7	70	28.4	10		15			5.0	5.67
AF	<i>Adenostoma fasciculatum</i>	chamise			35	5		8.0					55	11.0	5.37
AG	<i>Agrostis pallens</i>	leafy bent grass						0.0						0.0	0.33
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita				3		0.6		20				4.0	0.77
AM	<i>Arctostaphylos montereyensis</i>	Toro manzanita						0.0						0.0	2.67
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita		15				3.0		7				1.4	3.03
BP	<i>Baccharis pilularis</i>	coyote brush					3	0.6				35	10	9.0	4.20
BR	<i>Bromus madritensis rubens</i> *	foxtail chess						0.0						0.0	0.27
CB	<i>Coryza bonariensis</i> *	little horse weed						0.0						0.0	0.47
CC	<i>Cumissoma c. cheiranthifolia</i>	beach evening primrose			10			2.0						0.0	0.33
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus						0.0						0.0	0.03
CCN	<i>Crassula comata</i>	pygmy-weed						0.0						0.0	0.17
CE	<i>Carpobrotus edulis</i> *	Hottentot fig						0.0					5	1.0	0.17
CHD	<i>Chorizanthe diffusa</i>	diffuse spine flower						0.0		8				1.6	1.27
CI	<i>Cirsium vulgare</i> *	bull thistle						0.0						0.0	0.07
CV	<i>Cynactium venustum</i>	cauchalagua		2	3			1.0	15	4	3		3	5.0	1.13
EA	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed					2	0.4	2		10	5	5	4.4	4.23
EB	<i>Epilobium brachycarpum</i>	willow herb					2	0.4						0.0	0.07
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow		3	2	1		1.2		1				0.2	0.40
EE	<i>Ericameria ericoides</i>	mock heather						0.0						0.0	0.07
FG	<i>Filago gallica</i> *	common filago	1		2	2		1.0	3	18				4.2	1.10
GAP	<i>Galium parryense</i>	climbing bedstraw						0.0						0.0	0.07
GE	<i>Garya elliptica</i>	coast silk-tassel						0.0						0.0	0.23
GL	<i>Gnaphalium luteo-album</i> *	cudweed everlasting						0.0						0.0	0.23
GP	<i>Gnaphalium purpureum</i>	purple cudweed	1					0.2	5		2			1.4	1.93
GR	<i>Gnaphalium ramosissimum</i>	sweet cudweed						0.0						0.0	1.00
HA	<i>Heteromeles arbutifolia</i>	toyon	70					14.0						0.0	3.83
HE	<i>Heterotheca grandiflora</i>	telegroph weed						0.0						0.0	0.50
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear		2	15	20	4	8.2		2			2	0.8	3.30
HIS	<i>Helianthemum scoparium</i>	peak rush-rose				10		2.0						0.0	0.60
JB	<i>Juncus b. biflorus</i>	toad rush					10	2.0		15				3.0	1.13
JP	<i>Juncus phaeocephalus</i>	brown-headed rush						0.0					7	1.4	0.23
LI	<i>Linaria canadensis</i>	blue toadflax						0.0						0.0	0.10
LM	<i>Lotus micranthus</i>	tiny lotus						0.0						0.0	0.10
LS	<i>Lotus scoparius</i>	deer brush						0.0						0.0	0.10
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower						0.0						0.0	2.73
NA	<i>Navarretia atracyloides</i>	holly-leaved navarretia		3				0.6						0.0	1.93
NS	<i>Navarretia squarrosa</i>	skunkweed	2					0.4						0.0	0.07
PD	<i>Pterostegia drymariaoides</i>	fairy mist						0.0						0.0	0.03
PI	<i>Pickeringia montana</i>	chaparral pea						0.0						0.0	1.07
PM	<i>Polygomon monspeliensis</i> *	annual beard grass						0.0						0.0	2.07
PO	<i>Polygomon maritimum</i>	Mediterranean beard grass	10			2	5	3.4		2	30		5	7.4	2.00
PS	<i>Plagiobothrys</i> sp.	popcorn flower						0.0						0.0	0.37
SA	<i>Sonchus asper</i> *	prickly sow-thistle						0.0						0.0	0.20
SM	<i>Salvia mellifera</i>	black sage						0.0						0.0	2.00
SO	<i>Sonchus oleraceus</i> *	common sow-thistle					3	0.6						0.0	0.13
SU	<i>Solanum umbelliferum</i>	blue witch	8					1.6						0.0	0.27
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak						0.0						0.0	1.50
UL	<i>Uropappus lindleyi</i>	silver puffs						0.0						0.0	0.10
VM	<i>Vulpis m. myuros</i> *	rattail fescue		5		3		1.6		50			3	10.6	3.37
VG	--	Total Vegetative Cover						81.4						71.4	63.0
UG	--	Bare ground	6	5	35	47		18.6	65	15		60	5	29.0	38.30
Total Cover			98	100	102	100	100	100.0	100	100	102	100	100	100.4	101.3

Table 6. Site 10A Percent Cover for Herbaceous Sampling in Burned Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Average Cover (%)	Transect 10					Average Cover (%)	Transect 12					Average Cover (%)	Combined Average Cover (%)
				1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover		1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover		
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel	0.0						0.0						0.0	0.03
AF	<i>Adenostoma fasciculatum</i>	chamise	2.0						0.0	5	15		70	20	22.0	4.10
AC	<i>Aira caryophylla</i> *	silver hairgrass	1.0	2					0.4		3				0.6	1.10
AIH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita	4.0						0.0						0.0	5.50
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	1.6						0.0				3		0.6	0.43
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	4.0			70	25		19.0						0.0	12.00
BP	<i>Baccharis pilularis</i>	coyote brush	0.0			3		5	1.6	3					0.6	0.40
BM	<i>Briza minor</i> *	little quaking grass	0.0		10				2.0						0.0	0.33
BD	<i>Bromus diandrus</i> *	ripgut grass	0.0						0.0						0.0	0.10
CG	<i>Carex globosa</i>	rounded-fruit sedge	0.0						0.0						0.0	0.13
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	8.0						0.0						0.0	1.67
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	0.0						0.0						0.0	0.17
CV	<i>Centaurium venustum</i>	canchalagua	0.0						0.0						0.0	0.20
CHD	<i>Charizanthus diffusa</i>	diffuse spineflower	0.4						0.0	7	5	3	5	1	4.2	1.70
CR	<i>Coryza bonariensis</i> *	little horse weed	0.0				1	2	0.6		2			1	0.6	0.20
CR	<i>Crassula cannata</i>	pygmy weed	0.0						0.0	15					3.0	0.30
EB	<i>Epilobium brachycarpum</i>	willow herb	0.0						0.0			2			0.4	0.47
EG	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed	1.4			2	2	5	1.8		2			20	4.4	2.40
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	6.4						0.0		1				0.2	1.13
FG	<i>Filago gallica</i> *	common filago	2.4		5	1	1	10	3.4	10		10			4.0	3.00
GL	<i>Gnaphalium luteo-album</i> *	cutweed everlasting	0.0	1	5			1	1.6						0.0	0.57
GP	<i>Gnaphalium purpureum</i>	purple cutweed	0.0	3		1	5	25	6.8	2	5				1.4	1.53
GR	<i>Gnaphalium ranunculifolium</i>	sweet cutweed	1.0						0.0						0.0	0.17
IIS	<i>Hellianthemum scoparium</i>	peak rush-rose	8.0		5				1.0			1			0.2	9.03
IIG	<i>Hypochaeris glabra</i> *	smooth cat's ear	3.4	1	10	1	15		5.4		5	35	2	3	9.0	4.60
JB	<i>Juncus b. biflorus</i>	toad rush	0.0	45	15				12.0						0.0	2.63
JC	<i>Juncus capitatus</i> *	capitate rush	0.0						0.0						0.0	0.17
LC	<i>Lepechinia calycina</i>	pitcher sage	0.0						0.0						0.0	1.00
LM	<i>Lotus micranthus</i>	tiny lotus	1.2						0.0						0.0	0.60
LS	<i>Lotus scoparius</i>	deer brush	7.0						0.0						0.0	1.17
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	0.0						0.0						0.0	0.67
NA	<i>Navaretia atracyloides</i>	holly-leaved navaretia	2.0	3	10				2.6		15				3.0	2.07
PL	<i>Plantago lanceolata</i> *	narrowleaf plantain	0.0						0.0		3				0.6	0.10
PO	<i>Polypogon maritimus</i>	Mediterranean beard grass	0.2		10				2.0						0.0	5.37
PM	<i>Polypogon monspeliensis</i> *	annual beard grass	13.0	39		2			8.2						0.0	3.57
SD	<i>Sagina decumbens occidentalis</i>	Western pearlwort	0.0	2					0.4						0.0	0.07
VM	<i>Vulpia myuros</i> *	rattail fescue	3.0		30	3			6.6	15	70	4		30	23.8	7.20
ZF	<i>Zygodenus fremontii</i>	Fremont's zygodene	0.0						0.0						0.0	0.17
VG	--	Total Vegetative Cover	70.0						75.4						78.6	76.2
BG	--	Bare ground	32.0			17	55	52	24.8	43		45	20	25	26.6	25.23
Total Cover			102.00	96	100	100	105	100	100.20	100	126	100	100	100	105.20	101.47

* Non-native species

**Table 7. Site 10A Percent Cover for
Herbaceous Sampling in Transitional Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 4					Average Cover (%)	Transect 14					Average Cover (%)
			1 %	2 %	3 %	4 %	5 %		1 %	2 %	3 %	4 %	5 %	
AB	<i>Avena barbata</i> *	slender wild oat			60	70	26.0							0.0
AC	<i>Aira caryophylla</i> *	silver hairgrass					0.0							0.0
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita				85	17.0							0.0
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita					0.0							0.0
BP	<i>Baccharis pilularis</i>	coyote brush					0.0						75	15.0
BH	<i>Bromus hordeaceus</i> *	soft chess				10	2.0							0.0
BR	<i>Bromus madritensis rubens</i> *	foxtail chess					0.0		10	15		10		7.0
CE	<i>Carpobrotus edulis</i> *	Hottentot fig					0.0			2				0.4
CM	<i>Centaurea melitensis</i> *	tocalote				2	0.4							0.0
CB	<i>Coryza bonariensis</i> *	little horseweed					0.6			5				1.0
CR	<i>Croton californicus</i>	California croton					0.0	5						1.0
EA	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed	20	30	5	3	40	19.6						0.0
EN	<i>Eriogonum n. nudum</i>	naked buckwheat					0.0			10				2.0
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow					0.0							0.0
FG	<i>Filago gallica</i> *	common filago					0.0					8		1.6
GAP	<i>Galium porrigens</i>	climbing bedstraw		15			3.0							0.0
GP	<i>Gnaphalium purpureum</i>	purple cudweed			3		1.6							0.0
HS	<i>Helianthemum scoparium</i>	peak rush-rose					0.0		30	15				9.0
HC	<i>Horkelia c. cuneata</i>	wedge-leaved horkelia					0.0	20						4.0
HG	<i>Hypochoeris glabra</i> *	California coffeeberry					0.0		5	20		5		6.0
LC	<i>Lepechinia calycina</i>	pitcher sage			25		5.0							0.0
LF	<i>Lessingia filaginifolia californica</i>	California aster					0.0			5				1.0
LS	<i>Lotus scoparius</i>	deer brush					0.0	40	40			85	3	33.6
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower		70	15		17.0							0.0
NA	<i>Navaretia atractyloides</i>	holly-leaved navaretia			15		3.4		5			2		1.4
PM	<i>Polypogon monspeliensis</i> *	annual beard grass				5	1.0							0.0
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak		5	5	5	3.0						2	0.4
VM	<i>Vulpia myuros</i> *	rattail fescue					3.0	10						2.0
VU	<i>Vulpia microstachys</i> *	Pacific fescue					0.0	70						14.0
VG	--	Total Vegetative Cover					102.6							99.4
BG	--	Bare ground	80				35	23.0	10	28			20	11.6
Total Cover			100	120	128	180	100	125.6	145	100	100	110	100	111.0

* Non-native species

16 sp.

**Table 7. Site 10A Percent Cover for
Herbaceous Sampling in Transitional Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 15					Average Cover (%)	Combined Average Cover (%)
			1 %	2 %	3 %	4 %	5 %		
AB	<i>Avena barbata</i> *	slender wild oat						0.0	8.67
AC	<i>Aira caryophyllea</i> *	silver hairgrass				3		0.6	0.20
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita						0.0	5.67
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita					25	5.0	1.67
BP	<i>Baccharis pilularis</i>	coyote brush						0.0	5.00
BH	<i>Bromus hordeaceus</i> *	soft chess						0.0	0.67
BR	<i>Bromus madritensis rubens</i> *	foxtail chess			5	5	2	2.4	3.13
CE	<i>Carpobrotus edulis</i> *	Hottentot fig						0.0	0.13
CM	<i>Centaurea melitensis</i> *	toçalote						0.0	0.13
CB	<i>Conyza bonariensis</i> *	little horseweed					1	0.2	0.60
CR	<i>Croton californicus</i>	California croton						0.0	0.33
EA	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed					1	0.2	6.60
EN	<i>Eriogonum n. nudum</i>	naked buckwheat						0.0	0.67
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow					1	0.2	0.07
FG	<i>Filago gallica</i> *	common filago	5	5	10	2		4.4	2.00
GAP	<i>Galium porrigens</i>	climbing bedstraw						0.0	1.00
GP	<i>Gnaphalium purpureum</i>	purple cudweed						0.0	0.53
HS	<i>Helianthemum scoparium</i>	peak rush-rose		35		20	30	17.0	8.67
HC	<i>Horkelia c. cuneata</i>	wedge-leaved horkelia						0.0	1.33
HG	<i>Hypochoeris glabra</i> *	California coffeeberry	40	25	35	15	2	23.4	9.80
LC	<i>Lepechinia calycina</i>	pitcher sage						0.0	1.67
LF	<i>Lessingia filaginifolia californica</i>	California aster				5	3	1.6	0.87
LS	<i>Lotus scoparius</i>	deer brush	10					2.0	11.87
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower						0.0	5.67
NA	<i>Navaretia atractyloides</i>	holly-leaved navaretia	5	5		2	1	2.6	2.47
PM	<i>Polypogon monspeliensis</i> *	annual beard grass						0.0	0.33
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak						0.0	1.13
VM	<i>Vulpia myuros</i> *	rattail fescue	15	10	45		60	26.0	10.33
VU	<i>Vulpia microstachys</i> *	Pacific fescue						0.0	4.67
VG	--	Total Vegetative Cover						85.6	95.9
BG	--	Bare ground	30	30	5	45		22.0	18.87
Total Cover			105	110	100	97	126	107.6	114.7

* Non-native species

**Table 8. Site 10B Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Clipped Grids
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common name	Transect Length (feet):		Transect 2		Transect 12		Combined Average Percent Cover
			74.6	57.4	Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	3.8	5.1	1.4	2.4			3.9
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita			2.8	4.9			2.1
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	9.2	12.3	7.2	12.5			12.4
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	24.0	32.2	6.5	11.3			23.1
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	2.2	2.9	0.6	1.0			2.1
GE	<i>Garrya elliptica</i>	coast silk-tassel	3.0	4.0					2.3
HS	<i>Helianthemum scoparium</i>	peak rush-rose			0.4	0.7			0.3
RC	<i>Rhamnus c. californica</i>	California coffeeberry			2.0	3.5			1.5
Total Species Cover Calculated by Line Intercept Method				56.6		36.4			47.8
BG	--	Bare Ground	35.9	48.1	39.6	69.0			57.2
VG	--	Vegetated ground	3.5	4.7	4.1	7.1			5.8
Total Cover				109.4		112.5			110.8

**Table 9. Site 10B Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Burned Grids With OE Sampling
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet): Common name	Transect 1 164.4		Transect 9 172.2		Transect 10-2 164.4		Transect 14 165.5		Combined Percent Cover
			Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise		0.0	5.1	3.0			4.5	2.7	1.44
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita					0.2	0.1	0.8	0.5	0.15
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	47.3	28.8			32.2	19.6	28.6	17.3	16.22
BP	<i>Baccharis pilularis</i>	coyote brush					0.1	0.1			0.02
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	0.6	0.4			1.8	1.1	3.4	2.1	0.87
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	0.4	0.2	1.0	0.6	14.4	8.8	7.4	4.5	3.48
CE	<i>Carpobrotus edulis</i> *	Hottentot fig			0.1	0.1					0.02
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow			2.5	1.5			3.6	2.2	0.92
EE	<i>Ericameria ericoides</i>	mock heather			0.7	0.4					0.11
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush							0.3	0.2	0.05
EN	<i>Eriogonum n. nudum</i>	naked buckwheat			2.7	1.6					0.41
HS	<i>Helianthemum scoparium</i>	peak rush-rose	23.8	14.5	16.4	9.5	45.5	27.7	21.3	12.9	16.05
LC	<i>Lepechinia calycina</i>	pitcher sage	0.3	0.2					0.1	0.1	0.06
LS	<i>Lotus scoparius</i>	California broom	0.6	0.4	24.1	14.0					3.71
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	1.8	1.1							0.27
QA	<i>Quercus a. agrifolia</i>	coast live oak	1.3	0.8	0.6	0.3					0.29
RC	<i>Rhamnus c. californica</i>	California coffeeberry	1.6	1.0	10.8	6.3			2.2	1.3	2.19
SM	<i>Salvia mellifera</i>	black sage	0.9	0.5	1.6	0.9					0.38
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak							0.3	0.2	0.05
Total Species Cover Calculated by Line Intercept Method				47.8		38.1		57.3		43.8	46.65
BG	--	Bare Ground	70.6	42.9	56.0	32.5	74.5	45.3	85.4	51.6	42.99
VG	--	Vegetated ground	23.1	14.1	72.0	41.8	5.1	3.6	19.7	11.9	17.99
Total Cover				104.8		112.4		106.2		107.3	107.6

* Non-native species

**Table 10. Site 10B Intercept Distances (feet)
and Percent Cover for Shrub Species, Bare, and Vegetated Ground for Burned Areas With No OE Sampling
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (feet): Common name	Transect 6 113.2		Transect 7 164.4		Transect 8 165.9		Transect 11 168.4		Percent Cover
			Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	Intercept Distance	Percent Cover	
AF	<i>Adenostoma fusciculatum</i>	chamise	2.3	2.0	1.2	0.7	11.0	6.6	3.5	2.1	2.94
AH	<i>Arctostaphylos h. hookeri</i>	Hooker's manzanita					0.1	0.1			0.02
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita					12.1	7.3			1.98
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	4.9	4.4	4.3	2.6	28.5	17.2	38.4	22.8	12.44
BP	<i>Baccharis pilularis</i>	coyote brush			1.9	1.2	2.5	1.5	1.5	0.9	0.96
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			1.7	1.0	2.4	1.4	2.1	1.2	1.01
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	0.2	0.2	1.5	0.9			7.6	4.5	1.52
CE	<i>Carpobrotus edulis</i> *	Hottentot fig					0.1	0.1			0.02
CJ	<i>Cortaderia jubata</i> *	jubata grass			0.6	0.4	0.4	0.2			0.16
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	9.4	8.3				0.0			1.54
GE	<i>Garrya elliptica</i>	coast silktassel					1.9	1.1	1.4	0.8	0.54
HA	<i>Heteromeles arbutifolia</i>	toyon			0.2	0.1	0.1	0.1			0.05
HS	<i>Helianthemum scoparium</i>	peak rush-rose	14.2	12.5	13.3	8.1	36.1	21.8	25.0	14.9	14.49
LC	<i>Lepechinia calycina</i>	pitcher sage			1.5	0.9			0.5	0.3	0.33
LF	<i>Lessingia filaginifolia</i>	California aster							0.9	0.5	0.15
LS	<i>Lotus scoparius</i>	deer brush	23.2	20.5			0.2	0.1			3.82
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	0.3	0.3	8.1	4.9					1.37
RM	<i>Ribes malvaceum</i>	flowering currant			0.8	0.5					0.13
RC	<i>Rhamnus c. californica</i>	California coffeeberry	2.3	2.0							0.38
SM	<i>Salvia mellifera</i>	black sage	0.7	0.6			0.3	0.2			0.16
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak			0.9	0.5					0.15
Total Species Cover Calculated by Line Intercept Method				50.8		21.9		57.7		48.1	44.15
BG	--	Bare Ground	24.3	0.2	48.9	29.7	70.1	42.3	63.7	37.8	33.83
VG	--	Vegetated ground	53.3	0.5	86.1	52.4	19.2	11.6	29.9	17.8	30.81
Total Cover				51.5		104.0		111.5		103.7	108.80

* Non-native species

**Table 11. Site 10B Percent Cover for Herbaceous Sampling in Burned Grids That Were Sampled For OE
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 9						Average Cover (%)	Combined Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %		
AF	<i>Adenostoma fasciculatum</i>	chamise		60					10.0	10.00
AG	<i>Arabis g. glabra</i>	tower mustard		15	15				5.0	5.00
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	1		5		5	5	2.7	2.67
CE	<i>Carpobrotus edulis</i> *	Hottentot fig			2				0.3	0.33
CM	<i>Camissonia micrantha</i>	miniature evening primrose	10		3		5	10	4.7	4.67
CT	<i>Cryptantha</i> sp.	cryptantha	5						0.8	0.83
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow		2	5	10			2.8	2.83
EN	<i>Eriogonum n. nudum</i>	naked buckwheat	5						0.8	0.83
HS	<i>Helianthemum scoparium</i>	peak rush-rose	15					40	9.2	9.17
JC	<i>Juncus capitatus</i>	capitate rush					5		0.8	0.83
LS	<i>Lotus scoparius</i>	deer brush				15	20	5	6.7	6.67
NA	<i>Navaretia atractyloides</i>	holly-leaved navarretia			2	45		15	10.3	10.33
NS	<i>Navarretia squarrosa</i>	skunkweed	2						0.3	0.33
PA	<i>Pteridium aquilinum pubescens</i>	bracken fern	20						3.3	3.33
PC	<i>Papaver californicum</i>	Western poppy			8				1.3	1.33
PH	<i>Phacelia</i> sp.	phacelia	5	3	10			5	3.8	3.83
QA	<i>Quercus a. agrifolia</i>	coast live oak	30						5.0	5.00
RC	<i>Rhamnus c. californica</i>	California coffeeberry			5				0.8	0.83
SD	<i>Sagina decumbens occidentalis</i>	Western pearlwort					5		0.8	0.83
SM	<i>Salvia mellifera</i>	black sage			10		5		2.5	2.50
VM	<i>Vulpia m. myuros</i>	rattail fescue	3						0.5	0.50
VG	--	Total Vegetative Cover	96	80	65	70	45	80	72.7	72.67
BG	--	Bare ground	4	20	35	30	55	20	27.3	27.33
Total Cover			100	100	100	100	100	100	100.0	100.0

* Non-native species

**Table 12. Site 10B Percent Cover for Herbaceous Sampling in Burned Areas That Were Not Sampled For OE
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 6				Average Cover (%)	Transect 7						Average Cover (%)	
			1 % Cover	2 % Cover	3 % Cover	4 % Cover		1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover		
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel					0.0	5	30						5.8
AB	<i>Avena barbata</i> *	slender wild oat					0.0	5							0.8
AC	<i>Aira caryophylla</i> *	silver hairgrass					0.0	5							0.8
AF	<i>Adenostoma fasciculatum</i>	chamise			5		1.3								0.0
AP	<i>Agrostis pallens</i>	leafy bent grass					0.0								0.0
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita					0.0			5					0.8
BH	<i>Bromus hordeaceus</i> *	soft chess					0.0	2							0.3
BM	<i>Briza minor</i> *	little quakinggrass					0.0	70							11.7
BP	<i>Baccharis pilularis</i>	coyote brush					0.0	15			8			5	4.7
CA	<i>Camissonia c. cheiranthifolia</i>	beach evening primrose			5	10	3.8								0.0
CC	<i>Coryza canadensis</i>	western horsecweed					0.0			5	15				3.3
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			1		0.3							2	0.3
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus					0.0						13	10	3.8
CG	<i>Carex globosa</i>	rounded-fruit sedge					0.0						2		0.3
CM	<i>Camissonia micrantha</i>	miniature evening primrose		2			0.5								0.0
CR	<i>Crassula connata</i>	pygmy-weed	5	2			1.8							3	0.5
CV	<i>Centaurium venustum</i>	canchalagua					0.0				2				0.3
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	5		3	10	4.5								0.0
ER	<i>Erodium cicutarium</i> *	redstem filaree			1		0.3								0.0
HC	<i>Hemizonia corymbosa</i>	coast tarweed					0.0	15							2.5
HO	<i>Horkelia c. cuneata</i>	wedge-leaf horkelia					0.0								0.0
HS	<i>Helianthemum scoparium</i>	peak rush-rose	3	1	20	45	17.3		10		15	15	10		8.3
JB	<i>Juncus b. bufonius</i>	toad rush	2				0.5	3							0.5
KM	<i>Koeleria macrantha</i>	junegrass					0.0								0.0
LF	<i>Lestingia filaginifolia</i>	beach aster					0.0								0.0
LI	<i>Linaria canadensis californica</i>	toadflax					0.0								0.0
LS	<i>Lotus scoparius</i>	deer brush		1	10		2.8								0.0
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower					0.0		15	10					4.2
MO	Moss						0.0			15	3	20			6.3
NA	<i>Navaretia atractyloides</i>	holly-leaved navarretia	10	18		15	10.8				3			20	3.8
PB	<i>Plagiobothrys</i> sp.	popcorn flower			40		10.0								0.0
PH	<i>Phacelia</i> sp.	phacelia			5	5	2.5								0.0
PM	<i>Polypogon monspeliensis</i>	annual beard grass					0.0	10							1.7
PT	<i>Psilocarphus t. tenellus</i>	slender woolly heads					1.3								0.0
SD	<i>Sagina decumbens occidentalis</i>	Western pearlwort	5				0.0		3						0.5
SM	<i>Salvia mellifera</i>	black sage			3		0.8								0.0
TR	<i>Trifolium</i> sp.	clover					0.0		10		2				2.0
VM	<i>Vulpia m. myuros</i>	rattail fescue		10		2	3.0	5							0.8
VG	--	Total Vegetative Cover	30	34	90	90	61	135	73	45	33	50	50		64
BG	--	Bare ground	70.0	70	10	10	40.0		27	55	67	50	50		41.5
Total Cover			100	104	100	100	101	135	100	100	100	100	100		106

* Non-native species

**Table 12. Site 10B Percent Cover for Herbaceous Sampling in Burned Areas That Were Not Sampled For OE
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Quadrat Number:	Transect II						Average Cover (%)	Combined Average Cover (%)
				1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover		
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel								0.0	1.94
AB	<i>Avena barbata</i> *	slender wild oat								0.0	0.28
AC	<i>Aira caryophylla</i> *	silver hairgrass								0.0	0.28
AF	<i>Adenostoma fusciculatum</i>	chamise								0.0	0.42
AP	<i>Agrostis pullens</i>	leafy bent grass	15							2.5	0.83
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita									
BH	<i>Bromus hordeaceus</i> *	soft chess			3	8	80	10	60	26.8	9.22
BM	<i>Briza minor</i> *	little quakinggrass								0.0	0.11
BP	<i>Baccharis pilularis</i>	coyote brush								0.0	3.89
CA	<i>Camissonia c. cheiranthifolia</i>	beach evening primrose								0.0	1.56
CC	<i>Conyza canadensis</i>	western horseweed								0.0	1.25
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			2					0.0	1.11
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus				5	2			0.3	0.31
CG	<i>Carex globosa</i>	rounded-fruit sedge								1.2	1.67
CM	<i>Camissonia micrantha</i>	miniature evening primrose	8	10	2					3.3	1.22
CR	<i>Crassula connata</i>	pygmy-weed								0.0	0.17
CV	<i>Centaureum venustum</i>	canchalagua			2					0.0	0.75
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow								0.3	0.22
ER	<i>Erodium cicutarium</i> *	redstem filaree								0.0	1.50
HC	<i>Hemizonia corymbosa</i>	coast tarweed								0.0	0.08
HO	<i>Horkelia c. cuneata</i>	wedge-leaf horkelia	2							0.0	0.83
HS	<i>Helianthemum scoparium</i>	peak rush-rose								0.3	0.11
JB	<i>Juncus b. bufonius</i>	toad rush			30	15	5	5		9.2	11.58
KM	<i>Koeleria macrantha</i>	junegrass					5	5	15	0.0	0.33
LF	<i>Lessingia flaginifolia</i>	beach aster								4.2	1.39
LI	<i>Linaria canadensis californica</i>	toadflax	3							0.5	0.17
LS	<i>Lotus scoparius</i>	deer brush			3					0.5	0.17
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower								0.0	0.92
MO	Moss									0.0	1.39
NA	<i>Navaretia atractyloides</i>	holly-leaved navaretia								0.0	1.39
PB	<i>Plagiobothrys</i> sp.	popcorn flower			12					2.0	5.53
PH	<i>Phacelia</i> sp.	phacelia								0.0	3.33
PM	<i>Polypogon monspeliensis</i>	annual beard grass								0.0	0.83
PT	<i>Psilocarphus t. tenellus</i>	slender woolly heads								0.0	0.56
SD	<i>Sagina decumbens occidentalis</i>	Western pearlwort								0.0	0.42
SM	<i>Salvia mellifera</i>	black sage								0.0	0.17
TR	<i>Trifolium</i> sp.	clover								0.0	0.25
VM	<i>Vulpia m. myuros</i>	rattail fescue								0.0	0.67
VG	--	Total Vegetative Cover		28	62	30	92	20	75	51	59
BG	--	Bare ground		72	38	70	8	80	25	48.8	43.40
Total Cover				100	100	100	100	100	100	100	102

* Non-native species

**Table 13. Site 11 Intercept Distances and Percent Cover for Shrub Species, Bare, and Vegetated Ground
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

CODE	SCIENTIFIC NAME	Transect Length (feet): Common name	Transect 1 164.6		Transect 2 165.2		Transect 3 164.1	
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	24.1	14.6	8.8	5.3	6.5	4.0
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	0.6	0.4	13.9	8.4	4.3	2.6
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	8.1	4.9	4	2.4	21.6	13.2
BP	<i>Baccharis pilularis</i>	coyote brush			0.3	0.2	1.5	0.9
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus					0.7	0.4
CE	<i>Carpobrotus edulis</i> *	Hottentot fig			0.2	0.1		
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow			0.1	0.1		
EG	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed	0.1	0.1				
HS	<i>Helianthemum scoparium</i>	peak rush-rose						
LC	<i>Lepchinia calycina</i>	pitcher sage	0.2	0.1				
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	26.7	16.2	22.4	13.6	6.9	4.2
SM	<i>Salvia mellifera</i>	black sage	3.4	2.1			7.8	4.8
Total Species Cover Calculated by Line Intercept Method				38.4		30.1		30.1
BG	--	Bare ground	20.8	12.6	35.6	21.5	87.0	53.0
VG	--	Total Vegetated ground	39.4	23.9	63.1	38.2	15.4	9.4
BR	--	Brush pile	53.2	32.3	43.3	26.2	19.9	12.1
Total Cover				107.2		116.0		104.6

* Non-native species

**Table 13. Site 11 Intercept Distances and Percent Cover for Shrub Species, Bare, and Vegetated Ground
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

CODE	SCIENTIFIC NAME	Transect Length (feet): Common name	Transect 5 165.5		Transect 8 164.2		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	28.9	17.5	6.7	4.1	9.11
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita			26.7	16.3	5.52
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita			9.1	5.5	5.20
BP	<i>Baccharis pilularis</i>	coyote brush	0.3	0.2	0.6	0.4	0.33
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus					0.08
CE	<i>Carpobrotus edulis</i> *	Hottentot fig					0.02
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow					0.01
EG	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed					0.01
HS	<i>Helianthemum scoparium</i>	peak rush-rose			0.5	0.3	0.06
LC	<i>Lepechinia calycina</i>	pitcher sage					0.02
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	15.3	9.2			8.66
SM	<i>Salvia mellifera</i>	black sage					1.36
Total Species Cover Calculated by Line Intercept Method				26.9		26.6	30.39
BG	--	Bare ground	15.7	9.5	94.4	57.5	30.78
VG	--	Total Vegetated ground	85.9	51.9	29.2	17.8	28.29
BR	--	Brush pile	34.6	20.9			18.33
Total Cover				109.2		101.9	107.80

* Non-native species

**Table 14. Site 11 Percent Cover for Herbaceous Sampling
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

CODE	Scientific Name	Common Name	Transect 1						Average Cover (%)	Transect 2						Average Cover (%)
			1 %	2 %	3 %	4 %	5 %	6 %		1 %	2 %	3 %	4 %	5 %	6 %	
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel						0.0	5						0.8	
AC	<i>Aira caryophylleu</i> *	silver hairgrass	15				40	5	10.0	15		2		2	3.2	
AF	<i>Adenostoma fasciculatum</i>	chamise			5	20			4.2		65		10		12.5	
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	30						5.0						0.0	
AP	<i>Agrostis pallens</i>	leafy bent grass		15					2.5			20			3.3	
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita		20				2	3.7		30				5.0	
BH	<i>Bromus hordeaceus</i> *	soft chess							0.0						0.0	
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			1				0.2						0.0	
CR	<i>Crassula connata</i>	pygmy-weed							0.0	10		3			2.2	
CT	<i>Cryptantha</i> sp.	cryptantha							0.0					70	11.7	
CV	<i>Centaurium venustum</i>	canchalagua							0.0					8	1.3	
EG	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed					10		1.7						0.0	
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow	10				5		2.5			5	5		1.7	
FG	<i>Filago gallica</i> *	common filago	10			3			2.2	3					0.5	
GA	<i>Galium porrigens</i>	climbing bedstraw							0.0					10	1.7	
GC	<i>Galium californicum</i>	California bedstraw			5	7			2.0			2	15		2.8	
GL	<i>Gnaphalium luteo-album</i> *	cudweed everlasting							0.0						0.0	
GP	<i>Gnaphalium purpureum</i>	purple cudweed							0.0						0.0	
GR	<i>Gnaphalium ramosissimum</i>	sweet cudweed			10				1.7						0.0	
HC	<i>Hemizonia corymbosa</i>	coast tarweed							0.0	60					10.0	
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear							0.0						0.0	
JB	<i>Juncus b. bufonius</i>	toad rush					20	70	15.0					5	0.8	
JC	<i>Juncus capitatus</i>	capitate rush							0.0						0.0	
LO	<i>Lolium multiflorum</i> *	Italian ryegrass			4				0.7						0.0	
LU	<i>Luzula comosa</i>	wood rush							0.0						0.0	
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower		25		30	2	5	10.3			20	20	2	7.0	
NA	<i>Navaretia atractyloides</i>	holly-leaved navaretia						3	0.5						0.0	
N	<i>Navaretia squarrosa</i>	skunkweed						5	0.8	30				20	8.3	
PE	<i>Plantago erecta</i>	California plantain							0.0	7					1.2	
PM	<i>Polypogon monspeliensis</i> *	annual beard grass							0.0						0.0	
PO	<i>Polypogon maritimus</i>	Mediterranean beard grass					5		0.8						0.0	
PT	<i>Pentagramma triangularis</i>	goldback fern							0.0						0.0	
SA	<i>Sonchus asper</i> *	prickly sow-thistle							0.0					3	0.5	
VM	<i>Vulpia m. myuros</i> *	rattail fescue	5				5		1.7			3		5	3	1.8
BG	--	Bare ground	30	40	80	40	15	15	36.7		5	45	50	60	15	29.2
VG	--	Total Vegetative Ground														
Total Cover			100	100	105	100	102	105	102.0	130	100	100	100	100	103	105.5

* Non-native species

**Table 14. Site 11 Percent Cover for Herbaceous Sampling
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

CODE	Scientific Name	Common Name	Transect						Average Cover (%)	Combined Average Cover (%)
			1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover		
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel	3			5			1.3	0.72
AC	<i>Aira caryophylla</i> *	silver hairgrass	20	30	25	15		10	16.7	9.94
AF	<i>Adenostoma fasciculatum</i>	chamise				25		2	4.5	7.06
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita							0.0	1.67
AP	<i>Agrostis pallens</i>	leafy bent grass							0.0	1.94
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita							0.0	2.89
BH	<i>Bromus hordeaceus</i> *	soft chess	2						0.3	0.11
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus							0.0	0.06
CR	<i>Crassula connata</i>	pygmy-weed		10					1.7	1.28
CT	<i>Cryptantha</i> sp.	cryptantha							0.0	3.89
CV	<i>Centaureium venustum</i>	canchalagua		2	8				1.7	1.00
EG	<i>Erechtites glomerata</i> *	cut-leaved coast fireweed		5				5	1.7	1.11
EC	<i>Eriophyllum confertiflorum</i>	golden-yarrow							0.0	1.39
FG	<i>Filago gallica</i> *	common filago			5				0.8	1.17
GA	<i>Galium porrigens</i>	climbing bedstraw							0.0	0.56
GC	<i>Galium californicum</i>	California bedstraw	5	5	2	5		5	3.7	2.83
GL	<i>Gnaphalium luteo-album</i> *	cudweed everlasting		3		3			1.0	0.33
GP	<i>Gnaphalium purpureum</i>	purple cudweed		5					0.8	0.28
GR	<i>Gnaphalium ramosissimum</i>	sweet cudweed							0.0	0.56
HC	<i>Hemizonia corymbosa</i>	coast tarweed	10						1.7	3.89
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear			5				0.8	0.28
JB	<i>Juncus b. bufonius</i>	toad rush		15				45	10.0	8.61
JC	<i>Juncus capitatus</i>	capitate rush	10	10				25	7.5	2.50
LO	<i>Lolium multiflorum</i> *	Italian ryegrass							0.0	0.22
LU	<i>Luzula comosa</i>	wood rush			10				1.7	0.56
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower	2	2	10	8		3	4.2	7.17
NA	<i>Navaretia atractyloides</i>	holly-leaved navaretia							0.0	0.17
N	<i>Navaretia squarrosa</i>	skunkweed					5		0.8	3.33
PE	<i>Plantago erecta</i>	California plantain							0.0	0.39
PM	<i>Polypogon monspeliensis</i> *	annual beard grass				3			0.5	0.17
PO	<i>Polypogon maritimus</i>	Mediterranean beard grass							0.0	0.28
PT	<i>Pentagramma triangularis</i>	goldback fern		3		2			0.8	0.28
SA	<i>Sonchus asper</i> *	prickly sow-thistle							0.0	0.17
VM	<i>Vulpia m. myuros</i> *	rattail fescue	15	10	10		10	40	14.2	5.89
BG	--	Bare ground	35		35	29	20	35	25.7	30.50
VG	--	Total Vegetative Ground								
Total Cover			102	100	110	100	100	100	102.0	103.17

* Non-native species

**Table 15. Site 53 Intercept Distances and Percent Cover for Shrub Species, Bare, and Vegetated Ground
1998 Annual Monitoring Report
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Code	Scientific Name	Transect Length (meters): Common name	Transect 1 35		Transect 2 32.1		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita		16.00		0.00	8.35
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	5.6	16.00			8.35
BP	<i>Baccharis pilularis</i>	coyote brush	7.8	22.29	17.6	54.83	37.85
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	0.6	1.71			0.89
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus			4	12.46	5.96
ECAL	<i>Eriodictyon californicum</i>	yerba santa			15.3	47.66	22.80
CT	<i>Ceanothus thyrsiflorus</i>	blue blossom	3	8.57			4.47
HS	<i>Helianthemum scoparium</i>	rush rose	1.2				1.79
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower			3.9	12.15	5.81
QA	<i>Quercus a. agrifolia</i>	coast live oak	11.7	33.43	0.6	1.87	18.33
RS	<i>Ribes speciosum</i>	chaparral currant			0.7		1.04
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak			0.7	2.18	1.04
Total Species Cover Calculated by Line Intercept Method				98.00		131.15	116.69
BG	--	Bare ground	5.2	14.86			7.75
VG	--	Total Vegetated ground	6	17.14	5.1	15.89	16.54
Total Cover				130.00		147.04	140.98

**Table 16. Site 54 Intercept Distances and Percent Cover for Shrub Species, Bare, and Vegetated Ground
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Transect Length (meters): Common name	Transect 1 34.7		Transect 2 49.0		Transect 3 48.0		Transect 4 47.8		Combined Average (%) Cover
			Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	Intercept Distance	(%) Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	21.8	62.82	6.2	12.65	3.1	6.46	2.6	5.44	18.77
AH	<i>Arctostaphylos hookeri</i>	Hooker's manzanita					0.3		3.2		1.95
AM	<i>Arctostaphylos montereyensis</i>	Monterey manzanita	1.4	4.03	0.9	1.84			0.3	0.63	1.45
AH	<i>Arctostaphylos pumila</i>	sandmat manzanita					0.5				0.28
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-barked manzanita	8.3	23.92	9.7	19.80	6.9	14.38	21	43.93	25.57
BP	<i>Baccharis pilularis</i>	coyote brush	2.5	7.20	5.6	11.43	3.4	7.08			6.41
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	0.7	2.02	3.1	6.33	12.2	25.42	12.4	25.94	15.82
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	0.7	2.02	8.7	17.76	8.8	18.33	5	10.46	12.92
CT	<i>Ceanothus thrysiflorus</i>	blue blossom	0.2	0.58							0.11
HA	<i>Heteromeles arbutifolia</i>	toyon							1.6	3.35	0.89
LC	<i>Lepechinia calycina</i>	pitcher sage	0.7	2.02			3.7	7.71	1.8	3.77	3.45
MA	<i>Mimulus aurantiacus</i>	sticky monkey flower			2.8	5.71			0.1	0.21	1.62
QA	<i>Quercus a. agrifolia</i>	coast live oak	0.2	0.58	19.6	40.00					11.03
SM	<i>Salvia mellifera</i>	black sage					6.2	12.92	3.7	7.74	5.52
SYM	<i>Symphoricarpos mollis</i>	creeping snowberry			4.1	8.37					2.28
TD	<i>Toxicodendron diversilobum</i>	Western poison-oak			0.9	1.84	0.9	1.88	0.6	1.26	1.34
Total Species Cover Calculated by Line Intercept Method				105.19		125.71		94.17		102.72	109.42
BG	--	Bare ground	3.8	10.95	4.8	9.80	2.2	4.58	5.9	12.34	9.30
VG	--	Vegetated ground	0.0	0.00	2.3	4.69	0.9	1.88	0.0	0.00	1.78
Total Cover				116.14	68.70	140.20	49.10	100.63	58.20	115.06	120.50

**Table 17. Flora Observed during Wetland Monitoring
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Former Fort Ord, Monterey California**

Scientific name	Common Name	Wetland Indicator Status
<i>Achillea millefolium</i>	yarrow	NI
<i>Agoseris grandiflora</i>	large-flowered agoseris	NI
<i>Agrostis exarata</i>	spike bent grass	FACW
<i>Aira caryophyllea</i> *	silver hairgrass	NI
<i>Allium</i> sp.	onion	NI
<i>Amsinckia</i> sp.	fiddleneck	FACU
<i>Anagallis arvensis</i> *	scarlet pimpernel	FAC
<i>Aphanes occidentalis</i>	Western lady's mantle	NI
<i>Avena barbata</i> *	slender wild oat	NI
<i>Azolla filiculoides</i>	mosquito fern	OBL
<i>Baccharis douglasii</i>	marsh baccharis	OBL
<i>Baccharis pilularis</i>	coyote brush	NI
<i>Briza minor</i> *	small quakinggrass	FACW-
<i>Brodiaea terrestris</i>	ground brodiaea	NI
<i>Bromus hordeaceus</i> *	soft chess	FACU-
<i>Callitriche heterophylla</i>	water star-wort	OBL
<i>Calochortus uniflorus</i>	large-flowered star-tulip	OBL
<i>Camissonia ovata</i>	beach evening primrose	NI
<i>Carex barbarae</i>	Santa Barbara sedge	FACW
<i>Carex globosa</i>	round-fruited sedge	NI
<i>Carpobrotus edulis</i> *	Hottentot fig	NI
<i>Castilleja attenuata</i>	valley tassels	NI
<i>Centaurium davyi</i>	Davy's centaury	FAC
<i>Centunculus minimus</i>	chaffweed	FACW
<i>Cerastium glomeratum</i>	mouse-ear chickweed	FACU
<i>Chlorogalum p. pomeridianum</i>	soap plant	NI
<i>Cirsium vulgare</i> *	bull thistle	FACU
<i>Conium maculatum</i> *	poison hemlock	FACW
<i>Conyza bonariensis</i> *	little horseweed	NI
<i>Coronopus didymus</i> *	swine cress	NI
<i>Cotula coronopifolia</i> *	brass buttons	FACW
<i>Cyperus erythrorhizos</i>	red-rooting cyperis	OBL
<i>Danthonia californica</i>	California oatgrass	FACU
<i>Distichlis spicata</i>	saltgrass	FACW
<i>Eleocharis a. ascicularis</i>	needle spikerush	OBL
<i>Eleocharis macrostachya</i>	common spike rush	OBL
<i>Erechtites glomerata</i> *	cut-leaved coast fireweed	NI
<i>Erodium botrys</i> *	broadleaf filaree	NI
<i>Erodium cicutarium</i> *	red-stemmed filaree	NI
<i>Eryngium aristulatum</i>	coyote thistle	OBL
<i>Euthamia occidentalis</i>	Western goldenrod	OBL
<i>Festuca rubra</i>	red fescue	UPL
<i>Geranium carolinianum</i> *	Carolina geranium	NI
<i>Gnaphalium luteo-album</i> *	common cudweed	FACW-
<i>Gnaphalium palustre</i>	low cudweed	FACW
<i>Gnaphalium purpureum</i>	purple cudweed	NI
<i>Heliotropium curassavicum</i> *	salt heliotrope	OBL
<i>Hordeum b. brachyantherum</i>	meadow barley	FACW
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> *	Mediterranean barley	FAC

**Table 17. Flora Observed during Wetland Monitoring
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Scientific name	Common Name	Wetland Indicator Status
<i>Hordeum murinum leporinum</i> *	foxtail barley	NI
<i>Horkelia c. cuneata</i>	wedge-leaved horkelia	NI
<i>Hypochaeris glabra</i> *	smooth cats'-ear	NI
<i>Isoetes howellii</i>	Howell's quillwort	OBL
<i>Juncus balticus</i>	Baltic rush	OBL
<i>Juncus bufonius</i>	toad rush	FACW+
<i>Juncus occidentalis</i>	Western rush	FACW
<i>Juncus phaeocephalus</i>	brown-headed rush	FACW
<i>Juncus xiphioides</i>	iris-leaved rush	OBL
<i>Lactuca serriola</i> *	prickly lettuce	FAC
<i>Lasthenia glaberrima</i>	smooth lasthenia	OBL
<i>Layia</i> sp.	layia	NI
<i>Lemna minuscula</i>	small duckweed	OBL
<i>Lepidium nitidum</i>	shiny pepper-grass	NI
<i>Leymus triticoides</i>	blue wild rye	NI
<i>Lilaea scilloides</i>	flowering quillwort	OBL
<i>Lolium multiflorum</i> *	Italian ryegrass	NI
<i>Lotus humistratus</i>	short-podded lotus	NI
<i>Lotus purshianus</i>	Spanish lotus	NI
<i>Lotus wrangelianus</i>	Chile lotus	NI
<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife	FACW
<i>Madis</i> sp.	tarweed	NI
<i>Malvella leprosa</i>	alkali mallow	FAC
<i>Medicago polymorpha</i> *	California bur-clover	NI
<i>Oxalis pes-caprae</i> *	Bermuda buttercup	NI
<i>Plagiobotrys chorisianus hickmanii</i>	Hickman's popcornflower	OBL
<i>Plantago coronopus</i> *	cut-leaved plantain	FAC
<i>Plantago erecta</i>	dwarf plantain	NI
<i>Plantago lanceolata</i> *	English plantain	FAC
<i>Poa annua</i> *	annual bluegrass	FACU
<i>Pogogyne serpylloides</i>	thyme-like mesamint	FACW
<i>Polycarpon tetraphyllum</i> *	four-leaved allseed	NI
<i>Polygonum punctatum</i>	water smartweed	OBL
<i>Polypogon maritimus</i> *	Mediterranean ditch grass	OBL
<i>Polypogon monspeliensis</i> *	rabbit's-foot grass	FACW
<i>Potamogeton nodosus</i>	common American pondweed	OBL
<i>Potamogeton pectinatus</i>	fennel-leaved pondweed	OBL
<i>Ranunculus californicus</i>	California buttercup	FAC
<i>Rorippa palustris occidentalis</i>	marsh yellow cress	OBL
<i>Rumex acetosella</i> *	sheep sorrel	FAC-
<i>Rumex crispus</i>	curly dock	FACW-
<i>Rumex salicifolius</i>	willow dock	OBL
<i>Rumex salicifolius</i> *	willow-leaf dock	FAC
<i>Salix laevigata</i>	red willow	NI
<i>Scirpus californicus</i>	California tule	OBL
<i>Scirpus cernus</i>	low club-rush	OBL
<i>Scirpus koilolepis</i>	keeled club-rush	FACW+
<i>Scirpus robustus</i>	alkali bulrush	OBL
<i>Scleranthus a. annuus</i> *	knawel	FACU

**Table 17. Flora Observed during Wetland Monitoring
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<i>Scientific name</i>	Common Name	Wetland Indicator Status
<i>Sidalcea malvaeflora</i>	checker mallow	NI
<i>Sisyrinchium bellum</i>	blue-eyed grass	FAC
<i>Solanum americanum*</i>	small-flowered nightshade	FAC
<i>Sonchus asper*</i>	prickly sow thistle	FAC
<i>Spiranthes sp.</i>	lady's tresses	Unknown
<i>Stachys a. ajugoidies</i>	bugle hedge nettle	OBL
<i>Stachys ajugoides</i>	hedge bugle	OBL
<i>Stellaria media</i>	common chickweed	UPL
<i>Tolypella sp.</i>	stonewort	NA (OBL) aquatic
<i>Trifolium depauperatum</i>	balloon clover	FAC-
<i>Trifolium willdenovii</i>	tomcat clover	NI
<i>Triphysaria pusilla</i>	dwarf owl's-clover	NI
<i>Typha angustifolia</i>	narrow-leaved cattail	OBL
<i>Typha latifolia</i>	broad-leaved cattail	OBL
<i>Vulpia bromoides*</i>	six weeks brome	FACW
<i>Vulpia m. myuros*</i>	rat-tail fescue	FACU
<i>Xanthium strumarium</i>	cocklebur	FAC+

**Not Native to California*

Wetland indicator 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

NA - Not Applicable

**Table 18. Observed Vertebrate Fauna at Wetland Monitoring Sites
1998 Annual Monitoring Report
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Scientific name	Common Name
Amphibians	
<i>Hyla regilla</i>	Pacific treefrog
<i>Rana catesbeiana</i>	bullfrog
<i>Rana catesbeiana</i>	
<i>Batrachoseps attenuatus</i>	California slender salamander
Reptiles	
<i>Sceloporus occidentalis</i>	western fence lizard
<i>Thamnophis sirtalis</i>	common garter snake
Birds	
<i>Branta canadensis</i>	Canada goose
<i>Anas platyrhynchos</i>	mallard
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Zenaida macroura</i>	mourning dove
<i>Calypte anna</i>	Anna's hummingbird
<i>Melanerpes formicivorus</i>	acorn woodpecker
	black phoebe
<i>Aphelocoma coerulescens</i>	scrub jay
<i>Polioptila caerulea</i>	blue-gray gnatcatcher
<i>Toxostoma redivivum</i>	California thrasher
<i>Psaltriparus minimus</i>	bushtit
<i>Chamaea fasciata</i>	wrentit
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Pipilo crissalis</i>	California towhee
<i>Pipilo erythrophthalmus</i>	spotted towhee
<i>Carpodacus mexicanus</i>	house finch
Mammals	
<i>Procyon lotor</i>	raccoon
<i>Odocoileus hemionus</i>	mule deer

**Table 19. Summary of Wetland Monitoring Transects
1998 Annual Monitoring Report
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Site	Transect Number	Transect Length (ft)	Number of Quadrats	Total Area Sampled (m ²)
Pool 3-East	1	116	13	3.25
Pool 3-West	1	116	12	3.0
Pool 38	1	81	9	2.25
	2	80	9	2.25
Pool 39	1	239	24	6
Pool 40	1	135	14	3.5
Pool 42	1	63	6	1.5
	2	72	8	2
Pool 43	1	75	8	2
Pool 44	1	47	5	0.8
	2	49	5	0.8

**Table 20. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 3 - East
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect I													Average % Cover		
			1	2	3	4	5	6	7	8	9	10	11	12	13			
Quadrat Number:			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover			
DV	--	dead vegetation		15					10						10	2.69		
FV	--	floating vegetation/Open water			7	7		40								4.15		
AL	--	green algae						10								0.77		
UH	--	unknown herbs													10	0.77		
AM	<i>Achillea millefolium</i>	yarrow								10	5					1.15		
AG	<i>Agoseris grandiflora</i>	large-flowered agoseris								5			5	3		1.00		
AS	<i>Allium</i> sp.	onion													10	0.77		
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel								10	10	5				1.92		
A	<i>Avena barbata</i> *	slender wild oat												5		0.38		
BD	<i>Bromus diandrus</i> *	ripgut grass										5				0.38		
BH	<i>Bromus hordeaceus</i> *	soft chess	3	5											10	1.54		
CH	<i>Callitriche heterophylla</i>	water star-wort				3	5									0.62		
CU	<i>Calochortus uniflorus</i>	large-flowered star-tulip												5	10	5	1.54	
CO	<i>Camissonia ovata</i>	beach evening primrose	8														0.62	
CG	<i>Carex globosa</i>	round-fruited sedge	5														0.38	
C	<i>Castilleja attenuata</i>	valley tassels	2														0.15	
CV	<i>Cerastium glomeratum</i> *	mouse-ear chickweed								5							0.38	
DC	<i>Danthonia californica</i>	California oatgrass	10	25										5		5	3.46	
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush				20	10	5									10.77	
EM	<i>Eleocharis macrostachya</i>	common spikerush					80	60	30	30	50	10					20.00	
EB	<i>Erodium botrys</i> *	broadleaf filaree												5			0.38	
EA	<i>Eryngium aristulatum</i>	coyote thistle	5	15	10			5		5				35		15	6.92	
GC	<i>Geranium carolinianum</i>	Carolina geranium	1	10	5					20	5					5	3.92	
GP	<i>Gnaphalium palustre</i>	lowland cudweed	3							5						3	0.85	
HB	<i>Hordeum b. brachyantherum</i>	meadow barley										10					0.77	
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	3	3								5					1.62	
HI	<i>Isoetes howellii</i>	Howell's quillwort						5	20								1.92	
TR	<i>Juncus b. bufonius</i>	toad rush	10														0.77	
JP	<i>Juncus phaeocephalus</i>	brown-headed rush		5	10								5	20		55	20	8.85
JX	<i>Juncus xiphioides</i>	iris-leaved rush				40							20					7.69
LS	<i>Layia</i> sp.	layia	1	5													15	1.85
LH	<i>Lotus humistratus</i>	short-podded lotus	3	1							3							0.31
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife	1		3							15	5					1.85
PCh	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcornflower													2			0.15
PC	<i>Plantago coronopus</i> *	cut-leaf plantain				5									5	2		0.92
PE	<i>Plantago erecta</i>	dwarf plantain	2	1														0.23
Rea	<i>Ranunculus californica</i>	California buttercup										5	5					0.77
SK	<i>Scirpus koilolepis</i>	keeled club-rush	5										5					0.38
SM	<i>Sidalcea malvaeflora</i>	checker mallow														5		0.38
TD	<i>Trifolium depauperatum</i>	balloon clover	15	5								5						1.92
OP	<i>Triphysaria pusilla</i>	dwarf owl's-clover	5															0.38
VS	<i>Vulpia</i> sp. *	fescue	15	10													5	2.31
Total Vegetative Cover			97	100	100	100	80	110	100	105	105	85	90	100	100	115		98.6
BG	--	Bare ground	3				20											2.6
OW	--	Open water										15	10					2.8
Total			100	100	100	100	100	110	100	105	105	100	100	100	100	115		103.9

* Non-native species

**Table 21. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 3 - West
1998 Annual Monitoring Report
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Code	Scientific Name	Common Name	Transect I												Average % Cover
			1	2	3	4	5	6	7	8	9	10	11	12	
		Quadrat Number:	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	
DV	--	dead vegetation		10											0.83
AB	<i>Avena barbata</i> *	slender wild oat	5												0.42
BP	<i>Baccharis pilularis</i>	coyote brush											10		0.83
BD	<i>Bromus diandrus</i> *	ripgut grass	3												0.25
CH	<i>Callitriche heterophylla</i>	water star-wort				10	5	3	2	2	5	5	20		4.33
EM	<i>Eleocharis macrostachya</i>	common spikerush				20	15	20	40	10	20	15	50	15	17.08
EA	<i>Eryngium aristulatum</i>	coyote thistle		25	10	35									5.83
HB	<i>Hordeum b. brachyantherum</i>	meadow barley		15	20	5								5	3.75
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	2												0.17
IH	<i>Isoetes howellii</i>	Howell's quillwort		10	5									30	3.75
JP	<i>Juncus phaeocephalus</i>	brown-headed rush		0.5											0.04
LS	<i>Lilaea scilloides</i>	flowering quillwort									15			10	2.08
PCh	<i>Plagiobothrys chorisianus hickmanii</i>	Hickman's popcornflower	0.5												0.04
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	60	5	15									5	7.08
PT	<i>Polycarpon tetraphyllum</i> *	four-leaved allseed	2												0.17
SM	<i>Stellaria media</i>	common chickweed	1												0.08
VS	<i>Vulpia</i> sp. *	fescue	2												0.17
Total Vegetative Cover			75.5	65.5	50	70	20	23	42	12	40	20	70	75	46.9
BG	--	Bare ground	25												2.1
OW	--	Open water		35	50	30	80	77	58	88	60	80	30	25	51.1
Total			100.5	100.5	100	100	100	100	100	100	100	100	100	100	100.1

* Non-native species.

**Table 22. Percent Vegetative Cover by Species for Seasonal Wetland Habitat at Pool 38
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect I									Average % Cover
			1	2	3	4	5	6	7	8	9	
			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	
AE	<i>Agrostis exarata</i>	bent grass										0.00
AC	<i>Aira caryophyllea</i> *	silver hairgrass										0.00
BD	<i>Bromus diandrus</i> *	ripgut grass										0.00
BH	<i>Bromus hordeaceus</i> *	soft chess										0.00
CH	<i>Callitriche heterophylla</i>	water star-wort		3	5	2		2				1.33
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush	2									0.22
EM	<i>Eleocharis macrostachya</i>	common spikerush		7								0.78
EB	<i>Erodium botrys</i> *	broadleaf filaree										0.00
EC	<i>Erodium cicutarium</i> *	red-stemmed filaree									5	0.56
GLA	<i>Gnaphalium luteo-album</i> *	cudweed										0.00
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear										0.00
TR	<i>Juncus b. bufonius</i>	toad rush									20	2.22
JO	<i>Juncus occidentalis</i>	Western rush		3	5							0.89
JP	<i>Juncus phaeocephalus</i>	brown-headed rush										0.00
JX	<i>Juncus xiphioides</i>	iris-leaved rush	20			20	15	15	20	8		10.89
LW	<i>Lotus wrangelianus</i>	Chile lotus										0.00
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife				1			5	1		0.78
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	8			5			5		10	3.11
PA	<i>Poa annua</i> *	annual bluegrass				5						0.56
VB	<i>Vulpia bromoides</i> *	sheep fescue									20	2.22
VM	<i>Vulpia myuros</i> *	rattail fescue										0.00
--	Unknown grass (upland)											0.00
--	Unknown floating grass					10			10			2.22
Total Vegetative Cover			30	13	10	43	15	17	40	9	55	25.8
BG	--	Bare ground	70						40		55	18.3
OW	--	Open water		90	95	57	85	85	20	91		58.1
Total			100	103	105	100	100	102	100	100	110	102.2

* Non-native species.

**Table 22. Percent Vegetative Cover by Species for Seasonal Wetland Habitat at Pool 38
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 2									Average Cover (%)	Combined Average Cover (%)
			1	2	3	4	5	6	7	8	9		
			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover			
AE	<i>Agrostis exarata</i>	bent grass									25	2.78	1.39
AC	<i>Aira caryophylla</i> *	silver hairgrass	1									0.11	0.06
BD	<i>Bromus diandrus</i> *	ripgut grass	1									0.11	0.06
BH	<i>Bromus hordeaceus</i> *	soft chess	2									0.22	0.11
CH	<i>Callitriche heterophylla</i>	water star-wort				2						0.22	0.78
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush					2					0.00	0.11
EM	<i>Eleocharis macrostachya</i>	common spikerush		5	10	5	2	15	15	35	20	11.89	6.33
EB	<i>Erodium botrys</i> *	broadleaf filaree	2									0.22	0.11
EC	<i>Erodium cicutarium</i> *	red-stemmed filaree										0.00	0.28
GLA	<i>Gnaphalium luteo-album</i> *	cudweed									7	0.78	0.39
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	1									0.11	0.06
TR	<i>Juncus b. bufonius</i>	toad rush	10									1.11	1.67
JO	<i>Juncus occidentalis</i>	Western rush										0.00	0.44
JP	<i>Juncus phaeocephalus</i>	brown-headed rush	60	10	25	5			35	5		15.56	7.78
JX	<i>Juncus xiphioides</i>	iris-leaved rush										0.00	5.44
LW	<i>Lotus wrangelianus</i>	Chile lotus	3									0.33	0.17
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife									1	0.11	0.44
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	20								5	2.78	2.94
PA	<i>Poa annua</i> *	annual bluegrass										0.00	0.28
VB	<i>Vulpia bromoides</i> *	sheep fescue										0.00	1.11
VM	<i>Vulpia myuros</i> *	rattail fescue									5	0.56	0.28
--	Unknown grass (upland)			35	5	5	5	5			15	7.78	3.89
--	Unknown floating grass											0.00	1.11
Total Vegetative Cover			100	50	40	15	9.0	20	50	40	78	44.7	35.2
BG	--	Bare ground										0.0	
OW	--	Open water		50	60	85	91	80	50	60	25	55.7	
Total			100	100	100	100	100	100	100	100	103	100.3	101.3

* Non-native species.

**Table 23. Percent Vegetative Cover by Species for Seasonal Wetland Habitat at Pool 39
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 1									
			1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover	7 % Cover	8 % Cover	9 % Cover	
MS	--	moss										2
BD	<i>Bromus diandrus</i> *	ripgut grass										25
CH	<i>Callitriche heterophylla</i>	water star-wort								5		
CC	<i>Cotula coronopifolia</i> *	brass buttons										
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush									10	
EM.	<i>Eleocharis macrostachya</i>	common spikerush						25	10	10	50	
EB	<i>Erodium botrys</i> *	broadleaf filaree	20									30
GC	<i>Geranium carolinianum</i>	Carolina geranium	2									
HMG	<i>Hordeum marinum gussoneanum</i> *	Mediterranean barley										
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	3									3
HM	<i>Hordeum murinum leporinum</i> *	farmers foxtail	5									
HB	<i>Hordeum b. brachyantherum</i>	meadow barley		5							8	
JX	<i>Juncus xiphioides</i>	iris-leaved rush						30				
JP	<i>Juncus phaeocephalus</i>	brown-headed rush		30								
LN	<i>Lepidium n. nitidum</i>	shiny pepper-grass	15									
LM	<i>Lolium multiflorum</i> *	Italian ryegrass										10
LS	<i>Lilaea scilloides</i>	flowering quillwort										
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife		0.5								
PA	<i>Poa annua</i> *	annual bluegrass										
PC	<i>Plantago coronopus</i> *	cutleaf plantain	35									15
RC	<i>Rumex crispus</i> *	curly dock										
TW	<i>Trifolium willdenovii</i>	tomcat clover										
VM	<i>Vulpia myuros</i> *	rattail fescue									17	
Total Vegetative Cover			80	35.5	0	0	55	10	25	75	85	
BG	--	Bare ground	20		100	100						15
OW	--	Open water		65			50	90	75	25		
Total			100	100.5	100	100	105	100	100	100	100	

* Non-native species.

**Table 23. Percent Vegetative Cover by Species for Seasonal Wetland Habitat at Pool 39
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 1									
			10 % Cover	11 % Cover	12 % Cover	13 % Cover	14 % Cover	15 % Cover	16 % Cover	17 % Cover	18 % Cover	
MS	--	moss										
BD	<i>Bromus diandrus</i> *	ripgut grass										5
CH	<i>Callitriche heterophylla</i>	water star-wort				30	20		3			
CC	<i>Cotula coronopifolia</i> *	brass buttons		5								
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush					5					
EM	<i>Eleocharis macrostachya</i>	common spikerush					30					
EB	<i>Erodium botrys</i> *	broadleaf filaree							5	15		40
GC	<i>Geranium carolinianum</i>	Carolina geranium										
HMG	<i>Hordeum marinum gussoneanum</i> *	Mediterranean barley			60				10			
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear										
HM	<i>Hordeum murinum leporinum</i> *	farmers foxtail										
HB	<i>Hordeum b. brachyantherum</i>	meadow barley										
JX	<i>Juncus xiphioides</i>	iris-leaved rush				20						
JP	<i>Juncus phaeocephalus</i>	brown-headed rush			25							
LN	<i>Lepidium n. nitidum</i>	shiny pepper-grass										
LM	<i>Lolium multiflorum</i> *	Italian ryegrass	38	35				30	40			
LS	<i>Lilaea scilloides</i>	flowering quillwort		30		25						
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife										
PA	<i>Poa annua</i> *	annual bluegrass							2			
PC	<i>Plantago coronopus</i> *	cutleaf plantain	10						15	20		20
RC	<i>Rumex crispus</i> *	curly dock	15					5		20		
TW	<i>Trifolium willdenovii</i>	tomcat clover	2									
VM	<i>Vulpia myuros</i> *	rattail fescue			10			5		5		10
Total Vegetative Cover			65	70	95	75	55	50	65	60		75
BG	--	Bare ground										25
OW	--	Open water	35	30	5	25	45	50	40	40		
Total			100	100	100	100	100	100	105	100		100

* Non-native species.

**Table 23. Percent Vegetative Cover by Species for Seasonal Wetland Habitat at Pool 39
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number Common Name	Transect 1						Average % Cover
			19 %	20 %	21 %	22 %	23 %	24 %	
			Cover	Cover	Cover	Cover	Cover	Cover	
MS	--	moss							0.08
BD	<i>Bromus diandrus</i> *	rippgut grass						50	3.33
CH	<i>Callitriche heterophylla</i>	water star-wort				20	5		3.46
CC	<i>Cotula coronopifolia</i> *	brass buttons							0.21
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush			5				0.83
EM	<i>Eleocharis macrostachya</i>	common spikerush			15	30			7.08
EB	<i>Erodium botrys</i> *	broadleaf filaree							4.58
GC	<i>Geranium carolinianum</i>	Carolina geranium							0.08
HMG	<i>Hordeum marinum gussoneanum</i> *	Mediterranean barley							2.92
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear							0.25
HM	<i>Hordeum murinum leporinum</i> *	farmers foxtail							0.21
HB	<i>Hordeum b. brachyantherum</i>	meadow barley							0.54
JX	<i>Juncus xiphioides</i>	iris-leaved rush							2.08
JP	<i>Juncus phaeocephalus</i>	brown-headed rush							2.29
LN	<i>Lepidium n. nitidum</i>	shiny pepper-grass							0.63
LM	<i>Lolium multiflorum</i> *	Italian ryegrass	5						6.58
LS	<i>Lilaea scilloides</i>	flowering quillwort							2.29
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife							0.02
PA	<i>Poa annua</i> *	annual bluegrass							0.08
PC	<i>Plantago coronopus</i> *	cutleaf plantain	15				10	30	7.08
RC	<i>Rumex crispus</i> *	curly dock							1.67
TW	<i>Trifolium willdenovii</i>	tomcat clover							0.08
VM	<i>Vulpia myuros</i> *	rattail fescue						10	2.38
Total Vegetative Cover			20	0	20	50	15	90	48.7
BG	--	Bare ground	80						14.2
OW	--	Open water		100	80	50	85	10	37.5
Total			100	100	100	100	100	100	100.4

* Non-native species.

**Table 24. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 40
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number Common Name	Transect 1									
			1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover	7 % Cover	8 % Cover		
DV	--	dead vegetation						5				
UH	--	unknown herb						10				
AS	<i>Amsinckia</i> sp.	middle neck										
BD	<i>Bromus diandrus</i> *	ripgut grass	1									
CO	<i>Camissonia ovata</i>	beach evening primrose				25						
DC	<i>Danthonia californica</i>	California oatgrass			30							
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush										
EM	<i>Eleocharis macrostachya</i>	common spikerush										
EC	<i>Erodium cicutarium</i> *	red-stemmed filaree	5									
FR	<i>Festuca rubra</i>	red fescue										
GC	<i>Geranium carolinianum</i>	Carolina geranium				1		10				
HB	<i>Hordeum b. brachyantherum</i>	meadow barley										
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	5									
JO	<i>Juncus occidentalis</i>	Western rush					20					
JP	<i>Juncus phaeocephalus</i>	brown-headed rush		10								
JX	<i>Juncus xiphioides</i>	iris-leaved rush				25		15	20	90	90	
LW	<i>Lotus wrangelianus</i>	Chile lotus	2	3								
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife				2						
MP	<i>Medicago polymorpha</i> *	California bur-clover				2						
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	50	35	10			20				
RS	<i>Rumex salicifolius</i> *	willow-leaf dock										5
VS	<i>Vulpia</i> sp. *	fescue		2				40				
Total Vegetative Cover			63	50	40	75	100	20	90	95		
MU	--	mud	35	50				10	10	5		
OW	--	Open water			60	25		70				
Total			98	100	100	100	100	100	100	100		

* Non-native species.

**Table 24. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 40
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number Common Name	Transect 1						Average % Cover
			9 %	10 %	11 %	12 %	13 %	14 %	
			Cover	Cover	Cover	Cover	Cover	Cover	
DV	--	dead vegetation				5			0.71
UH	--	unknown herb						15	1.07
AS	<i>Amsinckia</i> sp.	fiddle neck							0.71
BD	<i>Bromus diandrus</i> *	ripgut grass							0.07
CO	<i>Camissonia ovata</i>	beach evening primrose							1.79
DC	<i>Danthonia californica</i>	California oatgrass							2.14
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush		10	5		20		2.50
EM	<i>Eleocharis macrostachya</i>	common spikerush		60	70		30		11.43
EC	<i>Erodium cicutarium</i> *	red-stemmed flaree							0.36
FR	<i>Festuca rubra</i>	red fescue						14	1.00
GC	<i>Geranium carolinianum</i>	Carolina geranium						1	0.86
HB	<i>Hordeum b. brachyantherum</i>	meadow barley					10		0.71
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear							0.36
JO	<i>Juncus occidentalis</i>	Western rush							1.43
JP	<i>Juncus phaeocephalus</i>	brown-headed rush					5		1.07
JX	<i>Juncus xiphioides</i>	iris-leaved rush	85			95	20		31.43
LW	<i>Lotus wrangelianus</i>	Chile lotus							0.36
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife							0.14
MP	<i>Medicago polymorpha</i> *	California bur-clover							0.14
PC	<i>Plantago coronopus</i> *	cut-leaf plantain						30	10.36
RS	<i>Rumex salicifolius</i> *	willow-leaf dock							0.36
VS	<i>Vulpia</i> sp. *	fescue						20	4.43
Total Vegetative Cover			85	70	75	100	85	80	73.4
MU	--	mud						20	9.3
OW	--	Open water	15	30	25		15		17.1
Total			100	100	100	100	100	100	100

* Non-native species.

**Table 25. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 42
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 1						Average % Cover
			1 %	2 %	3 %	4 %	5 %	6 %	
DV	--	dead vegetation						45	7.50
AG	<i>Agoseris grandiflora</i>	large-flowered agoseris		5	5			5	2.50
BM	<i>Briza minor</i> *	small quaking grass	2						0.33
CH	<i>Callitriche heterophylla</i>	water star-wort	5						0.83
CP	<i>Chlorogalum p. pomeridianum</i>	soap plant			5				0.83
DC	<i>Danthonia californica</i>	California oatgrass	20			30			8.33
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush		17	12				4.83
EM	<i>Eleocharis macrostachya</i>	common spikerush							0.00
EA	<i>Eryngium aristulatum</i>	coyote thistle	3	10				15	4.67
JB	<i>Juncus balticus</i>	Baltic rush							0.00
TR	<i>Juncus b. bufonius</i>	toad rush	15	5		3		50	12.17
JP	<i>Juncus phaeocephalus</i>	brown-headed rush				10			10.00
LS	<i>Lilaea scilloides</i>	flowering quillwort						50	0.00
LH	<i>Lythrum hyssopifolium</i>	hyssop-leaved loosestrife		8	8	5			3.50
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	5						0.83
RC	<i>Rumex crispus</i> *	curly dock		5					0.83
V/S	<i>Stachys ajugoides</i>	hedge nettle							0.00
TS	<i>Tolypella</i> sp.	stonewort							0.00
--	Unknown floating grass							5	0.83
--	Unknown grass (upland)			50		2			8.67
VM	<i>Vulpia myuros</i> *	rattail fescue							0.00
Total Vegetative Cover			50	100	30	50	75	95	66.7
BG	--	Bare ground	50		70			5	20.8
OW	--	Open water				50	30		13.3
Total			100	100	100	100	105	100	100.8

* Non-native species.

**Table 25. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 42
1998 Annual Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 2								Average Cover (%)	Combined Average Cover (%)
			1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover	7 % Cover	8 % Cover		
DV	--	dead vegetation									0.00	3.21
AG	<i>Agoseris grandiflora</i>	large-flowered agoseris									0.00	1.07
BM	<i>Briza minor</i> *	small quaking grass									0.00	0.14
CH	<i>Callitriche heterophylla</i>	water star-wort		2	10	2		5			2.38	1.71
CP	<i>Chlorogalum p. pomeridianum</i>	soap plant									0.00	0.36
DC	<i>Danthonia californica</i>	California oatgrass	20								2.50	5.00
FAA	<i>Eleocharis a. acicularis</i>	needle spikerush	25	40	35	20	40	40	70	40	38.75	24.21
EM	<i>Eleocharis macrostachya</i>	common spikerush				5	5				1.25	0.71
EA	<i>Eryngium aristulatum</i>	coyote thistle	5	15	5		5	5	5	10	6.25	5.57
JB	<i>Juncus balticus</i>	Baltic rush	5								0.63	0.36
TR	<i>Juncus b. bufonius</i>	toad rush		10	5	30	30	25	10	20	16.25	14.50
JP	<i>Juncus phaeocephalus</i>	brown-headed rush	25	5							3.75	6.43
LS	<i>Lilaea scilloides</i>	flowering quillwort						10			1.25	0.71
LH	<i>Lythrum hyssopifolium</i>	hyssop-leaved loosestrife	2								0.25	1.64
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	3								0.38	0.57
RC	<i>Rumex crispus</i> *	curly dock									0.00	0.36
V/S	<i>Stachys ajugoides</i>	hedge nettle							5		0.63	0.36
TS	<i>Totypella</i> sp.	stonewort				5	15				2.50	1.43
--	Unknown floating grass										0.00	0.36
--	Unknown grass (upland)										0.00	3.71
VM	<i>Vulpia myuros</i> *	rattail fescue	5								0.63	0.36
Total Vegetative Cover			90	72	55	62	95	85	85	75	77.4	72.8
BG	--	Bare ground	5								0.6	9.3
OW	--	Open water	5	30	45	43	20	25	15	25	26.0	20.6
Total			100	102	100	105	115	110	100	100	104.0	102.6

* Non-native species.

**Table 26. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 43
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Code	Scientific Name	Quadrat Number: Common Name	Transect 1								Average % Cover	
			1 % Cover	2 % Cover	3 % Cover	4 % Cover	5 % Cover	6 % Cover	7 % Cover	8 % Cover		
DV	--	dead vegetation	7		40						22	8.6
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel	2									0.3
BM	<i>Briza minor</i> *	small quaking grass	1									0.1
CH	<i>Callitriche heterophylla</i>	water star-wort	1	1	8	10	20	5	5	15		8.1
CO	<i>Camissonia ovata</i>	beach evening primrose	5								3	1.0
DC	<i>Danthonia californica</i>	California oatgrass	18		15							4.1
FAA	<i>Eleocharis a. acicularis</i>	needle spikerush				10	35	10	5	2		7.8
EA	<i>Eryngium aristulatum</i>	coyote thistle				15						1.9
GC	<i>Geranium carolinianum</i>	Carolina geranium	2		5							0.9
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	2									0.3
TR	<i>Juncus b. bufonius</i>	toad rush	2									0.3
JO	<i>Juncus occidentalis</i>	Western rush	20									2.5
JP	<i>Juncus phaeocephalus</i>	brown-headed rush	10									1.3
LS	<i>Lilaea scilloides</i>	flowering quillwort		50	10	30	10	20	20	3		17.9
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife	1									0.1
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	2									0.3
PS	<i>Pogogyne serpylloides</i>	thyme-like mesamint									5	0.6
SC	<i>Scirpus cernus</i>	low club-rush	2									0.3
SB	<i>Sisyrinchium bellum</i>	blue-eyed grass			1							0.1
SA	<i>Sonchus asper</i> *	prickly sow-thistle			1							0.1
TS	<i>Tolypella</i> sp.	stonewort (submerged)				15	5	10			10	5.0
--	Unknown floating grass				10		3					1.6
VB	<i>Vulpia bromoides</i> *	sheep fescue	10									1.3
Total Vegetative Cover			85	51	90	80	73	45	30	60		64.3
BG	--	Bare ground										0.0
OW	--	Open water	15	49	50	45	32	65	70	40		45.8
Total			100	100	140	125	105	110	100	100		110.0

* Non-native species.

**Table 27. Percent Vegetative Cover by Species in Seasonal Wetland Habitat at Pool 44
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Code	Scientific Name	Common Name	Transect 1					Average % Cover	Transect 2					Average Cover (%)	Combined Average Cover (%)
			1 %	2 %	3 %	4 %	5 %		1 %	2 %	3 %	4 %	5 %		
AG	<i>Agoseris grandiflora</i>	large-flowered agoseris	5					1.0						0.0	0.50
AO	<i>Aphanes occidentalis</i>	Western lady's mantle	1					0.2						0.0	0.10
BD	<i>Baccharis douglasii</i>	marsh baccharis		25				5.0						0.0	2.50
BH	<i>Bromus hordeaceus</i> *	soft chess					3	0.6						0.0	0.30
CH	<i>Callitriche heterophylla</i>	water star-wort						0.0	2	20	3	25	30	16.0	8.00
CO	<i>Camissonia ovata</i>	beach evening primrose		25		10	4	7.8	5					1.0	4.40
CB	<i>Carex barbarae</i>	Santa Barbara sedge	3					0.6						0.0	0.30
CD	<i>Coronopus didymus</i> *	swine cress						0.0	2					0.4	0.20
DC	<i>Danthonia californica</i>	California oatgrass	10					2.0						0.0	1.00
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush		15	50	50		23.0			15	15	5	7.0	15.00
EA	<i>Eryngium aristulatum</i>	coyote thistle		5	20	30		11.0			30	5	5	8.0	9.50
GC	<i>Geranium carolinianum</i>	Carolina geranium					5	1.0						0.0	0.50
GLA	<i>Gnaphalium luteo-album</i> *	cudweed	5					1.0						0.0	0.50
HC	<i>Horkelia c. cuneata</i>	wedge-leaved horkelia	10					2.0						0.0	1.00
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ear	3				7	2.0						0.0	1.00
TR	<i>Juncus b. bufonius</i>	toad rush	40				40	16.0	15					3.0	9.50
JO	<i>Juncus occidentalis</i>	Western rush	7					1.4						0.0	0.70
JX	<i>Juncus xiphioides</i>	iris-leaved rush					8	1.6				10		2.0	1.80
LS	<i>Lilaea scilloides</i>	flowering quillwort						0.0		35	15	15	20	17.0	8.50
LH	<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife		10		10	8	5.6	3		2			1.0	3.30
PCh	<i>Plagiobothrys chorisianus hickmanii</i>	popcorn flower						0.0	1					0.2	0.10
PC	<i>Plantago coronopus</i> *	cut-leaf plantain	10					2.0	3					0.6	1.30
PA	<i>Poa annua</i> *	annual bluegrass	3					0.6						0.0	0.30
PJ	<i>Polytrichum juniperinum</i>	juniper polytrichum	1					0.2						0.0	0.10
PS	<i>Pogogyne serpylloides</i>	thyme-like mesamint						0.0	4					0.8	0.40
RC	<i>Rumex crispus</i> *	curly dock					5	1.0						0.0	0.50
-	Unknown floating grass							0.0		10	10		5	5.0	2.50
Total Vegetative Cover			98	80	70	100	80	85.6	35	65	75	70	65.0	62	74
BG	--	Bare ground						0.0	40					8.0	4
OW	--	Open water		20	30		20	14.0	25	35	25	30	35	30.0	22
Total			98	100	100	100	100	99.6	100	100	100	100	100	100.0	100

* Non-native species.

**Table 28. Summary of Physical Parameters of Wetland Monitoring Sites
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Pool	Depth (inches)				Area (acres)				Turbidity (ntu) ^c			pH ^c	
	Dec.	Jan.	Feb.	Apr.	Dec.	Jan. ^a	Feb. ^b	Apr.	Dec.	Jan.	Feb.	Dec.	Feb.
38	22.5	27	29	28	0.64 ^b	0.71	0.71	0.71	>100	120	252	8.1	7.5-8.0
3-East	12.75	12.75	12	13	0.69 ^a	0.71	0.78	0.783	43-60	27.1	45.5	7.89	7.4-7.7
3-West	--	21.5	18	19	--	0.34	0.38	0.378	--	26.9	40.1	--	7.57-7.95
39	14	13.75	19	19	0.24 ^a	0.44	0.49	0.489	>100	27-204	48.7	7.58-7.95	7.57-8.0
40	10.75	10.75	12.5	13	0.12 ^a	0.21	0.21	0.21	>100	27	50.4	8.67	7.6
41	20.5	24	40	>50	1.45 ^b	1.70	2.13	2.128	25	3.48	3.82	7.53	7.48
42	26.75	29.5	30	29	0.46 ^a	0.77	0.96	0.961	40	4.5-5.0	3.00	8.9	7.4
43	9.25	11.25	14	14	0.04 ^a	0.04	0.04	0.04	75	5.45	10.7	9.72	7.31
44	9.75	12	14	13	0.19 ^a	0.19	0.19	0.19	60	2.89	3.75	8.15	7.5
MGF	21.5	32	40	40	10.62 ^b	11.80	14.75	14.75	44-87	13.5	15.1	7.48-7.98	7.25-7.50

maximum depth and area shown in bold face.

ntu turbidity units

MGF Machine Gun Flats

^a Based on Global Positioning System (GPS) data.

^b Estimated based on field measurements.

^c Multiple measurements taken at larger water bodies; range of turbidity and pH values given.

**Table 29. Summary of California Linderiella Monitoring Results
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Pool	California Linderiella Abundance ^a			
	Dec.	Jan.	Feb.	Apr.
38	--	--	--	--
3-East	--	Moderate	--	--
3-West	--	High	--	--
39	--	Moderate	--	--
40	--	--	--	--
41	--	Low	Low	--
42	--	Moderate	Low	--
43	--	Moderate	Moderate	--
44	--	Moderate	Moderate	--
MGF	Low	Very high	Moderate	Low

MGF Machine Gun Flats

a A qualitative estimate of abundance is based on the total number of California linderiella observed in 20 random samples collected with a dipnet from throughout each pool. Abundance is defined as follows:
 "--" : None observed.
 Low: 1 to 10 linderiella observed.
 Moderate: >10 to 100 linderiella observed.
 High: > 100 to 300 linderiella observed.
 Very High: > 300 linderiella observed.