

TABLES

**Table 1. Special Status Species with Monitoring Requirements in the Fort Ord Multispecies
Habitat Management Plan for Unexploded Ordnance Removal Activities
1997 Annual Habitat Monitoring Report Former Fort Ord Monterey, California**

Scientific Name	Common Name	Status (a)	CNPS 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	PE/-/CSC NA	Moist, warm habitat with loose soil and prostrate plant cover located on beaches and chaparral with sandy soils
Amphibian			
<i>Rana aurora draytonii</i>	Red legged frog	TV/-/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>Lindleriella occidentalis</i>	California lindleriella	-/-/ 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

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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

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. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 1A1 162.4			Transect 1-2 171.1			Transect 2A1 163.5		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	6.9	4.2%					3.3	2.0%	
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita				8	4.7%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	77.1	47.5%		129.1	75.5%		163.5	100.0%	
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	20.6	12.7%		25.8	15.1%		9.5	5.8%	
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus									
CJ	<i>Cortaderia jubata</i>	pampas grass									
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush				0.6	0.4%				
GE	<i>Garrya elliptica</i>	silk tassel									
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose									
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed	1.1	0.7%							
MA	<i>Mimulus aurantiacus</i>	monkey flower	19	11.7%		11.5	6.7%				
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral currant									
SL	<i>Lupinus chamissonis</i>	silver lupine									
SM	<i>Salvia mellifera</i>	black sage	52.4	32.3%					3.3	2.0%	
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover ^a				109.1%			102.3%			109.8%	
VG ^b	Vegetated ground										
BG ^c	Non-vegetated ground		18.3	11.3%		23.2	13.6%				

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 3A1 156.8			Transect 4A2 163.3			Transect 5A1 163.0		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	56.8	36.2%		18.1	11.1%		23.6	14.5%	
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	7	4.5%					114.4	70.2%	
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	57.8	36.9%		159.8	97.9%		4	2.5%	
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus				2.2	1.3%				
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	4.3	2.7%		1	0.6%				
CJ	<i>Cortaderia jubata</i>	pampas grass									
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather	5.8	3.7%		2.2	1.3%				
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush							1.6	1.0%	
GE	<i>Garrya elliptica</i>	silk tassel	4	2.6%							
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose									
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed							2.2	1.3%	
MA	<i>Mimulus aurantiacus</i>	monkey flower	7.1	4.5%					0.2	0.1%	
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes spectiosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral currant									
SL	<i>Lupinus chamissonis</i>	silver lupine	7.6	4.8%							
SM	<i>Salvia mellifera</i>	black sage	15.5	9.9%							
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover^a				105.8%			112.2%			90.4%	
VG ^b		Vegetated ground	3.2	2.0%					1.4	0.9%	
BG ^c		Non-vegetated ground	23.8	15.2%					26.3	16.1%	

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 5B1 163.8		Transect 6A1 163.0		Transect 11A1 169.5	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	48	29.3%	14.3	8.8%	60.6	35.8%		
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	41.3	25.2%			13.5	8.0%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	59.7	36.4%	106.3	65.2%	77.5	45.7%		
BP	<i>Baccharis pilularis</i>	coyote brush					1.3	0.8%		
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus					2.6	1.5%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus								
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow								
EE	<i>Ericameria ericoides</i>	mock heather								
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	1.9	1.2%						
GE	<i>Garrya elliptica</i>	silk tassel								
HA	<i>Heteromeles arbutifolia</i>	toyon								
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lepechinia calycina</i>	pitcher sage								
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower	4.5	2.7%	3.3	2.0%	2.6	1.5%		
QA	<i>Quercus a. agrifolia</i>	coast live oak								
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral current								
SL	<i>Ribes chamissonis</i>	silver lupine								
SM	<i>Salvia mellifera</i>	black sage	9.8	6.0%			5.4	3.2%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak					4.8	2.8%		
Total Shrub Cover^a				100.9%		76.0%		99.3%		
VG ^b	Vegetated ground		22.1	13.5%	49.4	30.3%	15.8	9.3%		
BG ^c	Non-vegetated ground									

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 11B1 163.5		Transect 11-3 158.1		Transect 12A1 158.6	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	25.3	15.5%	5.3	3.4%	10.1	6.4%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	76.9	47.0%	60	38.0%	11.4	7.2%
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	72.1	44.1%	88.2	55.8%	134.5	84.8%
BP	<i>Baccharis pilularis</i>	coyote brush	0.5	0.3%				
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	8.9	5.4%	9.6	6.1%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus						
CJ	<i>Cortaderia jubata</i>	pampas grass			0.4	0.3%	2.6	1.6%
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow						
EE	<i>Ericameria ericoides</i>	mock heather			1.2	0.8%		
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush						
GE	<i>Garrya elliptica</i>	silk tassel					15.7	9.9%
HA	<i>Heteromeles arbutifolia</i>	toyon					0.2	0.1%
HS	<i>Helianthemum scoparium</i>	rush rose						
LC	<i>Lepechinia calycina</i>	pitcher sage						
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower	1.9	1.2%				
QA	<i>Quercus a. agrifolia</i>	coast live oak						
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry						
RSA	<i>Ribes malvaceum</i>	chaparral currant						
SL	<i>Lupinus chamissonis</i>	silver lupine			1.3	0.8%		
SM	<i>Salvia mellifera</i>	black sage	1.6	1.0%	0.6	0.4%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak						
Total Shrub Cover ^a			114.5%		105.4%		110.0%	
VG ^b	Vegetated ground							
BG ^c	Non-vegetated ground		15.5		10.1		7.8	
			9.5%		6.4%		4.9%	

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

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in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 12A2 160.9		Transect 12A3 164.0		Transect 12-4 161.9	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	60.8	37.8%	64.8	39.5%	66	40.8%		
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	22.4	13.9%	57.5	35.1%	30.4	18.6%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	85.5	53.1%	63.9	39.0%	88.7	54.8%		
BP	<i>Baccharis pilularis</i>	coyote brush								
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	12	7.5%	4.9	3.0%	1.5	0.9%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus								
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow								
EE	<i>Ericameria ericoides</i>	mock heather								
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	4.5	2.8%	8.2	5.0%	0.7	0.4%		
GE	<i>Garrya elliptica</i>	silk tassel								
HA	<i>Heteromeles arbutifolia</i>	toyon								
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lepechinia calycina</i>	pitcher sage								
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower								
QA	<i>Quercus a. agrifolia</i>	coast live oak								
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral currant								
SL	<i>Lupinus chamissonis</i>	silver lupine	0.8	0.5%	5.5	3.4%	3.3	2.0%		
SM	<i>Salvia mellifera</i>	black sage					2.9	1.8%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak								
Total Shrub Cover^a				115.6%		124.9%		135.0%		
VG ^b	Vegetated ground		4.5	2.8%	16.6	10.1%	5.5	3.4%		
BG ^c	Non-vegetated ground									

a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

b Vegetated ground includes all herbaceous plants.

c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 13A1 163.0			Transect 14A1 163.0			Transect 15B1 167.0		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	22.6	13.9%		38	23.3%		49.4	29.6%	
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	7.1	4.4%		52.5	32.2%		42.8	25.6%	
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	133.8	82.1%		47.1	28.9%		56.6	33.9%	
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus									
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus							24.3	14.6%	
CJ	<i>Cortaderia jubata</i>	pampas grass									
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush							0.9	0.5%	
GE	<i>Garrya elliptica</i>	silk tassel							8.3	5.0%	
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose									
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed									
MA	<i>Mimulus aurantiacus</i>	monkey flower	0.4	0.2%		5.7	3.5%				
QA	<i>Quercus a. agrifolia</i>	coast live oak							47.6	28.5%	
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral currant									
SL	<i>Lupinus chamissonis</i>	silver lupine				8.4	5.2%		7.6	4.6%	
SM	<i>Salvia mellifera</i>	black sage							1.8	1.1%	
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover^a				100.6%						143.3%	
VG ^b	Vegetated ground										
BG ^c	Non-vegetated ground		3.6	2.2%		26.3	16.1%		10.1	6.0%	

a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

b Vegetated ground includes all herbaceous plants.

c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 16A1 164.0		Transect 16-2 163.4		Transect 16-3 163.4	
					Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise			42.0	25.6%	41.1	25.2%	68.4	41.9%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita			40.2	24.5%	31.8	19.5%	2.3	1.4%
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita			67.4	41.1%	118.6	72.6%	134	82.0%
BP	<i>Baccharis pilularis</i>	coyote brush							8.2	5.0%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			2.9	1.8%	3.1	1.9%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus								
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow								
EE	<i>Ericameria ericoides</i>	mock heather								
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush					1.8	1.1%	3	1.8%
GE	<i>Garrya elliptica</i>	silk tassel					9.3	5.7%		
HA	<i>Heteromeles arbutifolia</i>	toyon								
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lepechinia calycina</i>	pitcher sage								
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower								
QA	<i>Quercus a. agrifolia</i>	coast live oak								
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral current								
SL	<i>Lupinus chamissonis</i>	silver lupine			7.7	4.7%	5	3.1%		
SM	<i>Salvia mellifera</i>	black sage			6.5	4.0%				
TD	<i>Toxicodendron diversilobum</i>	western poison-oak								
Total Shrub Cover^a						106.9%		128.9%		132.9%
VG ^b		Vegetated ground			8.6	5.2%				
BG ^c		Non-vegetated ground			22.7	13.8%	4	2.4%	1.7	1.0%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 17A1 164.0		Transect 17-3 147.3		Transect 17-4 164.5	
					Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise			50.4	30.7%			77.4	47.1%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita			9.1	5.5%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita			42.7	26.0%			87	52.9%
BP	<i>Baccharis pilularis</i>	coyote brush			18.7	11.4%			2.4	1.5%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus								
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus					0.5	0.3%		
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow								
EE	<i>Ericameria ericoides</i>	mock heather			3	1.8%				
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush								
GE	<i>Garrya elliptica</i>	silk tassel			3.9	2.4%			6.9	4.2%
HA	<i>Heteromeles arbutifolia</i>	toyon								
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lepechinia calycina</i>	pitcher sage								
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower			3.9	2.4%			49.9	30.3%
QA	<i>Quercus a. agrifolia</i>	coast live oak			1.1	0.7%	2.2	1.5%	5.4	3.3%
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral current								
SL	<i>Lupinus chamissonis</i>	silver lupine								
SM	<i>Salvia mellifera</i>	black sage					1	0.7%	2.9	1.8%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak							71.7	43.6%
Total Shrub Cover^a						81.0%		113.4%		184.6%
VG ^b	Vegetated ground									
BG ^c	Non-vegetated ground				52.9	32.3%	11.3	7.7%	1.1	0.7%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 18B1 163.0		Transect 18-3 144.4		Transect 19B1 162.5	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise								
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita								
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	71.1	43.6%						
BP	<i>Baccharis pilularis</i>	coyote brush	34.4	21.1%						
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus								
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus			15.2	10.5%			52.1	32.1%
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow			124.8	86.4%			132.3	81.4%
EE	<i>Ericameria ericoides</i>	mock heather			5.4	3.7%			0.9	0.6%
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush								
GE	<i>Garrya elliptica</i>	silk tassel	19	11.7%	0.5	0.3%			1.1	0.7%
HA	<i>Heteromeles arbutifolia</i>	toyon			18.1	12.5%				
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lepechinia calycina</i>	pitcher sage			0.4	0.3%				
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower	1.4	0.9%	0.6	0.4%			0.5	0.3%
QA	<i>Quercus a. agrifolia</i>	coast live oak	44.3	27.2%						
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	3.2	2.0%					0.3	0.2%
RSA	<i>Ribes malvaceum</i>	chapparral currant	14	8.6%						
SL	<i>Lupinus chamissonis</i>	silver lupine								
SM	<i>Salvia mellifera</i>	black sage			18.3	12.7%			1.1	0.7%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak	91.4	56.1%	0.4	0.3%			1.8	1.1%
Total Shrub Cover^a				171.0%		129.5%		117.0%		
VG ^b	Vegetated ground									
BG ^c	Non-vegetated ground		16.3	10.0%	5.5	3.8%	20.1	12.4%		

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 20B1 156.0		Transect 20-2 98.0		Transect 20-3 130.7	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	23.7	15.2%	11	11.5%	33.6	25.7%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	20	12.8%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	46.7	29.9%	95.1	99.1%	115.9	88.7%
BP	<i>Baccharis pilularis</i>	coyote brush	11.7	7.5%			1.6	1.2%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus					1.6	1.2%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus						
CJ	<i>Cortaderia jubata</i>	pampas grass			5.3	5.5%		
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow						
EE	<i>Ericameria ericoides</i>	mock heather						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	2.3	1.5%				
GE	<i>Garrya elliptica</i>	silk tassel	2.9	1.9%	35.4	36.9%	26.7	20.4%
HA	<i>Heteromeles arbutifolia</i>	toyon			1.2	1.3%		
HS	<i>Helianthemum scoparium</i>	rush rose						
LC	<i>Lepechinia calycina</i>	pitcher sage						
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower	28.9	18.5%				
QA	<i>Quercus a. agrifolia</i>	coast live oak						
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry						
RSA	<i>Ribes malvaceum</i>	chaparral currant						
SL	<i>Lupinus chamissonis</i>	silver lupine	24	15.4%				
SM	<i>Salvia mellifera</i>	black sage	0.7	0.4%			0.1	0.1%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak						
Total Shrub Cover^a				103.1%		154.2%		137.3%
VG ^b	Vegetated ground							
BG ^c	Non-vegetated ground		35.2	22.6%	0.9	0.9%	3.7	2.8%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 21-1 167.4			Transect 21-2 158.5			Transect 21-3 173.9		
			Transect Name: Transect Length (feet):	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Intercept Distance (ft)	Percent Cover	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chemise		53.6	32.0%	25.8	16.3%	19.5	11.2%		
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita						7.2	4.1%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita		75.3	45.0%	137.9	87.0%	146.6	84.3%		
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus		5.7	3.4%	9.8	6.2%	1.9	1.1%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus		34.1	20.4%	5.3	3.3%				
CJ	<i>Cortaderia jubata</i>	pampas grass		7.7	4.6%	14	8.8%	10.6	6.1%		
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow		0.3	0.2%	0.8	0.5%				
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush									
GE	<i>Garrya elliptica</i>	silk tassel				9.7	6.1%	1.4	0.8%		
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose		31.4	18.8%						
LC	<i>Lepechinia calycina</i>	pitcher sage		0.5	0.3%						
LS	<i>Lotus scoparius</i>	deer weed									
MA	<i>Mimulus aurantiacus</i>	monkey flower				0.8	0.5%				
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chapparral current									
SL	<i>Lupinus chamissonis</i>	silver lupine									
SM	<i>Salvia mellifera</i>	black sage		11.5	6.9%	12.7	8.0%	17	9.8%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover^a					131.8%		136.8%		118.7%		
VG ^b	Vegetated ground			0.5	0.3%			2.2	1.3%		
BG ^c	Non-vegetated ground			17.8	10.6%	2.6	1.6%	12.4	7.1%		

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 22-1 162.5		Transect 23A1 161.5		Transect 23A2 164.0	
					Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise			15.1	9.3%			28.9	17.6%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita					26.6	16.5%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita			81.9	50.4%	56	34.7%	126.4	77.1%
BP	<i>Baccharis pilularis</i>	coyote brush			8.8	5.4%	17.7	11.0%		
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			42	25.8%	11.5	7.1%	0.7	0.4%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus			76.8	47.3%	22.2	13.7%		
CJ	<i>Cortaderia jubata</i>	pampas grass			1	0.6%				
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow			0.7	0.4%				
EE	<i>Ericameria ericoides</i>	mock heather								
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush							2.5	1.5%
GE	<i>Garrya elliptica</i>	silk tassel					1.1	0.7%	5	3.0%
HA	<i>Heteromeles arbutifolia</i>	toyon					0.4	0.2%		
HS	<i>Helianthemum scoparium</i>	rush rose			22.7	14.0%				
LC	<i>Lepechinia calycina</i>	pitcher sage			33.7	20.7%				
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower			0.2	0.1%				
QA	<i>Quercus a. agrifolia</i>	coast live oak								
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral current								
SL	<i>Lupinus chamissonis</i>	silver lupine			15.2	9.4%	13	8.0%	22.2	13.5%
SM	<i>Salvia mellifera</i>	black sage			7.3	4.5%	4.2	2.6%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak								
Total Shrub Cover^a						196.9%		96.2%		113.2%
VG ^b		Vegetated ground			14.5	8.9%	2.6	1.6%		
BG ^c		Non-vegetated ground			8	4.9%	33.5	20.7%	17.8	10.9%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

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Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Transect Name: Transect Length (feet):			Transect 23-3 161.2			Transect 24A1 165.5			Transect 24B1 163.0		
Code	Scientific Name	Common Name	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	18.3	11.4%	15.7	9.5%	34.8	21.3%			
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita									
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	52.3	32.4%	90.1	54.4%	134	82.2%			
BP	<i>Baccharis pilularis</i>	coyote brush					4.1	2.5%			
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	9.3	5.8%	0.1	0.1%	11.8	7.2%			
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	55.1	34.2%	25.8	15.6%					
CJ	<i>Cortaderia jubata</i>	pampas grass	24.9	15.4%							
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow	1.4	0.9%							
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush									
GE	<i>Garrya elliptica</i>	silk tassel					39	23.9%			
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose	6	3.7%	13.6	8.2%					
LC	<i>Lepechinia calycina</i>	pitcher sage			6	3.6%					
LS	<i>Lotus scoparius</i>	deer weed			0.6	0.4%					
MA	<i>Mimulus aurantiacus</i>	monkey flower									
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral currant									
SL	<i>Lupinus chamissonis</i>	silver lupine									
SM	<i>Salvia mellifera</i>	black sage	3.6	2.2%	29.8	18.0%	11.8	7.2%			
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover ^a			106.0%			114.1%			144.5%		
VG ^b	Vegetated ground					7.2					
BG ^c	Non-vegetated ground		23.1			11.2			7.2		
			14.3%			6.8%			4.4%		

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

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Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 24-3 164.9		Transect 25A1 164.0		Transect 26A1 163.8	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	8.4	5.1%	15.1	9.2%	22.2	13.6%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita						
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	89.3	54.2%	110.8	67.6%	69.8	42.6%
BP	<i>Baccharis pilularis</i>	coyote brush			9.6	5.9%	36.8	22.5%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	8	4.9%	4.1	2.5%	6.6	4.0%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	49.1	29.8%				
CJ	<i>Cortaderia jubata</i>	pampas grass						
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow	0.1	0.1%				
EE	<i>Ericameria ericoides</i>	mock heather						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush						
GE	<i>Garrya elliptica</i>	silk tassel						
HA	<i>Heteromeles arbutifolia</i>	toyon	0.7	0.4%				
HS	<i>Helianthemum scoparium</i>	rush rose						
LC	<i>Lepechinia calycina</i>	pitcher sage	55.4	33.6%				
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower					18.9	11.5%
QA	<i>Quercus a. agrifolia</i>	coast live oak						
RS	<i>Ribes speciosum</i>	fuchsia-flowered goosberry						
RSA	<i>Ribes malvaceum</i>	chaparral current						
SL	<i>Lupinus chamissonis</i>	silver lupine						
SM	<i>Salvia mellifera</i>	black sage	17.4	10.6%	38.8	23.7%	25.9	15.8%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak						
Total Shrub Cover^a				138.5%		110.5%		110.0%
VG ^b	Vegetated ground				2.8	1.7%		
BG ^c	Non-vegetated ground		17.1	10.4%	3.8	2.3%	32	19.5%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect			Transect			Transect		
			26-2			27A1			28B1		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
			27	15.7%		99.9	61.1%		53.6	31.9%	
AF	<i>Adenostoma fasciculatum</i>	chamise				4.6	2.8%				
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita				20.7	12.7%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	130.4	75.8%					62.2	37.0%	
BP	<i>Baccharis pilularis</i>	coyote brush	0.2	0.1%							
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	15.5	9.0%					17.2	10.2%	
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus									
CJ	<i>Cortaderia jubata</i>	pampas grass									
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush									
GE	<i>Garrya elliptica</i>	silk tassel	17.2	10.0%							
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose									
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed									
MA	<i>Mimulus aurantiacus</i>	monkey flower				21.6	13.2%		0.4	0.2%	
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral current									
SL	<i>Lupinus chamissonis</i>	silver lupine									
SM	<i>Salvia mellifera</i>	black sage	15.6	9.1%		29.7	18.2%		8.7	5.2%	
TD	<i>Toxicodendron diversilobum</i>	western poison-oak	3.2	1.9%							
Total Shrub Cover^a				121.5%			107.9%			84.6%	
VG ^b	Vegetated ground										
BG ^c	Non-vegetated ground		6.3	3.7%		21.3	13.0%		45	26.8%	

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 2. Cover by Species
in Mature Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring
Former Fort Ord, Monterey, California**

Transect Name: Transect Length (feet):			Transect 28-2 165.0		Combined Average Percent Cover
Code	Scientific Name	Common Name	Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	9.3	5.6%	19.94%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita			9.42%
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	75.4	45.7%	57.01%
BP	<i>Baccharis pilularis</i>	coyote brush			2.18%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			3.00%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	10.8	6.5%	4.61%
CJ	<i>Cortaderia jubata</i>	pampas grass			0.89%
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow	2	1.2%	0.08%
EE	<i>Ericameria ericoides</i>	mock heather			0.15%
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush			0.20%
GE	<i>Garrya elliptica</i>	silk tassel			3.14%
HA	<i>Heteromeles arbutifolia</i>	toyon			0.12%
HS	<i>Helianthemum scoparium</i>	rush rose	20.4	12.4%	1.28%
LC	<i>Lepechinia calycina</i>	pitcher sage			1.30%
LS	<i>Lotus scoparius</i>	deer weed	0.7	0.4%	0.05%
MA	<i>Mimulus aurantiacus</i>	monkey flower			2.25%
QA	<i>Quercus a. agrifolia</i>	coast live oak			1.96%
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry			0.05%
RSA	<i>Ribes malvaceum</i>	chaparral currant			0.19%
SL	<i>Lupinus chamissonis</i>	silver lupine			
SM	<i>Salvia mellifera</i>	black sage	26.6	16.1%	6.31%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak			2.88%
Total Shrub Cover ^a				88.7%	117.01%
VG ^b	Vegetated ground		1.1	0.7%	0.60%
BG ^c	Non-vegetated ground		33.4	20.2%	10.10%

a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

b Vegetated ground includes all herbaceous plants.

c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table2

December 24, 1997

**Table 3. Cover by Species
in Disturbed Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 10A1 163.0			Transect 10-2 164.0			Transect 19-2 162.6		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	34.5	21.2%		94.3	57.5%		89.2	54.9%	
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	74.4	45.6%		9.9	6.0%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	29.9	18.3%		73.8	45.0%		49.9	30.7%	
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	2.9	1.8%					8.3	5.1%	
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus									
CJ	<i>Cortaderia jubata</i>	pampas grass									
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	0.2	0.1%							
GE	<i>Garrya elliptica</i>	silk tassel							18.1	11.1%	
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose									
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed									
MA	<i>Mimulus aurantiacus</i>	monkey flower				55.7	34.0%		13.6	8.4%	
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral current									
SL	<i>Lupinus chamissonis</i>	silver lupine				0.2	0.1%		13.1	8.1%	
SM	<i>Salvia mellifera</i>	black sage				58.5	35.7%				
TD	<i>Toxicodendron diversilobum</i>	western poison-oak									
Total Shrub Cover^a				87.1%			178.3%			118.2%	
VG ^b	Vegetated ground		2.8	1.7%					0.2	0.1%	
BG ^c	Non-vegetated ground		40.1	24.6%		2.8	1.7%		15.4	9.5%	

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 3. Cover by Species
in Disturbed Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect 27A1 163.6		Transect 27-2 175.9		Transect 27-3 179.4	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	99.9	61.1%	85.3	48.5%	30	16.7%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	4.6	2.8%				
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	20.7	12.7%	110.3	62.7%	84.9	47.3%
BP	<i>Baccharis pilularis</i>	coyote brush			9.8	5.6%		
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus			4.9	2.8%	18.6	10.4%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus					71.2	39.7%
CJ	<i>Cortaderia jubata</i>	pampas grass					11.3	6.3%
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow						
EE	<i>Ericameria ericoides</i>	mock heather						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush						
GE	<i>Ericarya elliptica</i>	silk tassel			3.6	2.0%		
HA	<i>Heteromeles arbutifolia</i>	toyon						
HS	<i>Helianthemum scoparium</i>	rush rose					43	24.0%
LC	<i>Lepechinia calycina</i>	pitcher sage					2.1	1.2%
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower			1.2	0.7%	1.2	0.7%
QA	<i>Quercus a. agrifolia</i>	coast live oak	21.6	13.2%			5.5	3.1%
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry						
RSA	<i>Ribes malvaceum</i>	chaparral current						
SL	<i>Rubus chamoissonis</i>	silver lupine						
SM	<i>Salvia mellifera</i>	black sage	29.7	18.2%	43.4	24.7%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak					26	14.5%
Total Shrub Cover^a				107.9%		147.0%		163.8%
VG ^b	Vegetated ground						1.8	1.0%
BG ^c	Non-vegetated ground		21.3	13.0%	5.6	3.2%	5.6	3.1%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 3. Cover by Species
in Disturbed Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):	Combined Average Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise		42.95%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita		8.82%
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita		38.64%
BP	<i>Baccharis pilularis</i>	coyote brush		0.97%
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus		3.44%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus		7.06%
CJ	<i>Cortaderia jubata</i>	pampas grass		1.12%
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow		
EE	<i>Ericameria ericoides</i>	mock heather		
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush		0.02%
GE	<i>Garrya elliptica</i>	silk tassel		0.36%
HA	<i>Heteromeles arbutifolia</i>	toyon		1.79%
HS	<i>Helianthemum scoparium</i>	rush rose		4.26%
LC	<i>Lepechinia calycina</i>	pitcher sage		0.21%
LS	<i>Lotus scoparius</i>	deer weed		
MA	<i>Mimulus aurantiacus</i>	monkey flower		7.11%
QA	<i>Quercus a. agrifolia</i>	coast live oak		2.69%
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry		
RSA	<i>Ribes malvaceum</i>	chaparral currant		
SL	<i>Lupinus chamissonis</i>	silver lupine		
SM	<i>Salvia mellifera</i>	black sage		11.15%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak		5.80%
Total Shrub Cover ^a				134.39%
VG ^b		Vegetated ground		0.48%
BG ^c		Non-vegetated ground		9.00%

a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

b Vegetated ground includes all herbaceous plants.

c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 4. Cover by Species
in Intermediate-Age Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 4A1 163.0		Transect 4-3 163.0		Transect 4B1 163.0	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	25.8	15.8%	23.5	14.4%	9.9	6.1%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	8	4.9%	45.3	27.8%	90.3	55.4%
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	49.5	30.4%	24.4	15.0%	8.3	5.1%
BP	<i>Baccharis pilularis</i>	coyote brush						
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus						
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus						
CJ	<i>Cortaderia jubata</i>	pampas grass						
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow						
EE	<i>Ericameria ericoides</i>	mock heather						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush					0.3	0.2%
GE	<i>Garrya elliptica</i>	silk tassel						
HA	<i>Heteromeles arbutifolia</i>	toyon						
HS	<i>Helianthemum scoparium</i>	rush rose						
LC	<i>Lepechinia calycina</i>	pitcher sage						
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower			5.7	3.5%		
QA	<i>Quercus a. agrifolia</i>	coast live oak			0.6	0.4%		
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry						
RSA	<i>Ribes malvaceum</i>	chaparral currant						
SL	<i>Lupinus chamissonis</i>	silver lupine			2.3	1.4%		
SM	<i>Salvia mellifera</i>	black sage	21.7	13.3%	4.9	3.0%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak						
Total Shrub Cover^a				64.4%		65.5%		71.8%
VG ^b	Vegetated ground		4.8	2.9%			8.3	5.1%
BG ^c	Non-vegetated ground		70.3	43.1%	63.1	38.7%	48.1	29.5%

a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.
b Vegetated ground includes all herbaceous plants.
c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 4. Cover by Species
in Intermediate-Age Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 7B1 163.7			Transect 8A1 163.0			Transect 9A1 169.5		
			Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover		Intercept Distance (ft)	Percent Cover	
AF	<i>Adenostoma fasciculatum</i>	chamise	28.4	17.3%		15.5	9.5%		78.9	46.5%	
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	53	32.4%		57.2	35.1%		8.6	5.1%	
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	51.1	31.2%		22.7	13.9%		27.5	16.2%	
BP	<i>Baccharis pilularis</i>	coyote brush									
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	0.4	0.2%							
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus									
CJ	<i>Cortaderia jubata</i>	pampas grass							0.4	0.2%	
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow									
EE	<i>Ericameria ericoides</i>	mock heather									
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	2.9	1.8%							
GE	<i>Garrya elliptica</i>	silk tassel									
HA	<i>Heteromeles arbutifolia</i>	toyon									
HS	<i>Helianthemum scoparium</i>	rush rose							20.6	12.2%	
LC	<i>Lepechinia calycina</i>	pitcher sage									
LS	<i>Lotus scoparius</i>	deer weed				8.9	5.5%		1	0.6%	
MA	<i>Mimulus aurantiacus</i>	monkey flower				8.5	5.2%		4.4	2.6%	
QA	<i>Quercus a. agrifolia</i>	coast live oak									
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry									
RSA	<i>Ribes malvaceum</i>	chaparral currant									
SL	<i>Lupinus chamissonis</i>	silver lupine									
SM	<i>Salvia mellifera</i>	black sage									
TD	<i>Toxicodendron diversilobum</i>	western poison-oak							17.8	10.5%	
Total Shrub Cover^a				83.0%			76.6%			101.1%	
VG ^b	Vegetated ground					12.1	7.4%		12.9	7.2%	
BG ^c	Non-vegetated ground		41.2	25.2%		42.9	26.3%		24.8	14.6%	

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 4. Cover by Species
in Intermediate-Age Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 9A2 162.8		Transect 9-3 161.9		Transect 9-4 161.9	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	38.4	23.6%					46.2	28.5%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita								
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	11.3	6.9%					30.1	18.6%
BP	<i>Baccharis pilularis</i>	coyote brush								
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus								
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus								
CJ	<i>Cortaderia jubata</i>	pampas grass								
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow								
EE	<i>Ericameria ericoides</i>	mock heather	4.5	2.8%						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	0.6	0.4%			4.7	2.9%		
GE	<i>Carrya elliptica</i>	silk tassel								
HA	<i>Heteromeles arbutifolia</i>	toyon								
HS	<i>Helianthemum scoparium</i>	rush rose								
LC	<i>Lapechinia calycina</i>	pitcher sage								
LS	<i>Lotus scoparius</i>	deer weed								
MA	<i>Mimulus aurantiacus</i>	monkey flower	6	3.7%			2.2	1.4%	3.7	2.3%
QA	<i>Quercus a. agrifolia</i>	coast live oak								
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry								
RSA	<i>Ribes malvaceum</i>	chaparral currant								
SL	<i>Lupinus chamissonis</i>	silver lupine								
SM	<i>Salvia mellifera</i>	black sage					20.8	12.8%	24.9	15.4%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak					10	6.2%		
Total Shrub Cover^a				37.3%				67.8%		64.8%
VG ^b	Vegetated ground									
BG ^c	Non-vegetated ground		103.9	63.8%			72	44.5%	64.6	39.9%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.
^b Vegetated ground includes all herbaceous plants.
^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 4. Cover by Species
in Intermediate-Age Chaparral at the Chaparral Monitoring Polygon
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Common Name	Transect 14B1 163.0		Transect 15-2 162.5		Transect 17A2 164.0	
			Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover	Intercept Distance (ft)	Percent Cover
AF	<i>Adenostoma fasciculatum</i>	chamise	20.2	12.4%	31.7	19.5%	23	14.0%
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita	1.1	0.7%	3.2	2.0%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	69.5	42.6%	92.8	57.1%	63.6	38.8%
BP	<i>Baccharis pilularis</i>	coyote brush						
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	2.6	1.6%	11.5	7.1%	14.7	9.0%
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	18.3	11.2%	10.2	6.3%	62.3	38.0%
CJ	<i>Cortaderia jubata</i>	pampas grass						
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow						
EE	<i>Ericameria ericoides</i>	mock heather						
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	2.5	1.5%				
GE	<i>Garrya elliptica</i>	silk tassel						
HA	<i>Heteromeles arbutifolia</i>	toyon						
HS	<i>Helianthemum scoparium</i>	rush rose						
LC	<i>Lepechinia calycina</i>	pitcher sage					21.4	13.0%
LS	<i>Lotus scoparius</i>	deer weed						
MA	<i>Mimulus aurantiacus</i>	monkey flower	0.2	0.1%				
QA	<i>Quercus a. agrifolia</i>	coast live oak						
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry						
RSA	<i>Ribes malvaceum</i>	chaparral current						
SL	<i>Lupinus chamissonis</i>	silver lupine	7.9	4.8%	34.3	21.1%		
SM	<i>Salvia mellifera</i>	black sage	2.4	1.5%			0.4	0.2%
TD	<i>Toxicodendron diversilobum</i>	western poison-oak						
Total Shrub Cover^a				76.5%		113.0%		113.0%
VG ^b	Vegetated ground							
BG ^c	Non-vegetated ground		55	33.7%	27.8	17.1%	29.5	18.0%

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

Table 4

December 24, 1997

Table 4. Cover by Species
in Intermediate-Age Chaparral at the Chaparral Monitoring Polygon
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Code	Scientific Name	Common Name	Transect Name: Transect Length (feet):		Transect 18A1 164.0		Combined Average Percent Cover
			Intercept Distance (ft)	Percent Cover			
AF	<i>Adenostoma fasciculatum</i>	chamise	9.1	5.5%	17.07%		
AP	<i>Arctostaphylos pumila</i>	sandmat manzanita			12.55%		
AT	<i>Arctostaphylos t. tomentosa</i>	shaggy-bark manzanita	47.2	28.8%	26.25%		
BP	<i>Baccharis pilularis</i>	coyote brush					
CCR	<i>Ceanothus cuneatus rigidus</i>	Monterey ceanothus	1.7	1.0%	1.45%		
CD	<i>Ceanothus dentatus</i>	cropleaf ceanothus	58	35.4%	7.00%		
CJ	<i>Cortaderia jubata</i>	pampas grass					
EC	<i>Eriophyllum confertiflorum</i>	golden yarrow			0.02%		
EE	<i>Ericameria ericoides</i>	mock heather			0.69%		
EF	<i>Ericameria fasciculata</i>	Eastwood's goldenbush			0.04%		
GE	<i>Garrya elliptica</i>	silk tassel					
HA	<i>Heteromeles arbutifolia</i>	toyon					
HS	<i>Helianthemum scoparium</i>	rush rose			0.97%		
LC	<i>Lepechinia calycina</i>	pitcher sage			1.01%		
LS	<i>Lotus scoparius</i>	deer weed			0.47%		
MA	<i>Mimulus aurantiacus</i>	monkey flower			1.44%		
QA	<i>Quercus a. agrifolia</i>	coast live oak			0.03%		
RS	<i>Ribes speciosum</i>	fuchsia-flowered gooseberry					
RSA	<i>Ribes malvaceum</i>	chaparral current					
SL	<i>Lupinus chamissonis</i>	silver lupine			0.11%		
SM	<i>Salvia mellifera</i>	black sage	6	3.7%	6.53%		
TD	<i>Toxicodendron diversilobum</i>	western poison-oak			0.58%		
Total Shrub Cover^a				102.3%	76.20%		
VG ^b	Vegetated ground		45.7	27.9%	3.94%		
BG ^c	Non-vegetated ground		9.8	6.0%	30.73%		

^a Total shrub cover is defined as the percent of the length of the transect covered by shrub species.

^b Vegetated ground includes all herbaceous plants.

^c Non-vegetated ground includes bare ground and bare ground with dead vegetation.

**Table 5. Plant and Animal Species Observed in Transitional
and Emergent Habitat during 1997 Wetland Monitoring
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Scientific name	Common Name	Range 37	Machine Gun Flats	Wetland Indicator Status
Plant Species				
<i>Achillea millifolium</i>	yarrow	x	x	NI
<i>Agrostis eexarata</i>	spike bent	x		FACW
<i>Aira caryophyllea</i> *	silver hair grass		x	FACW
<i>Anagallis arvensis</i> *	scarlet pimpernel	x	x	FAC
<i>Avena barbata</i> *	slender wild oat	x	x	NI
<i>Azolla filiculoides</i>	mosquito fern	x	x	OBL
<i>Baccharis douglasii</i>	marsh baccharis	x		OBL
<i>Baccharis pilularis</i>	coyote brush	x	x	NI
<i>Briza minor</i> *	small quakegrass	x	x	FACW-
<i>Brodiaea terrestris</i>	ground brodiaea		x	NI
<i>Bromus hordeaceus</i> *	soft chess	x	x	FACU-
<i>Carex barbarae</i>	Santa Barbara sedge	x		FACW
<i>Carpobrotus edulis</i> *	Hottentot fig			NI
<i>Centaurium davyi</i>	Davy's century		x	FAC
<i>Centunculus minimus</i>	chaffweed		x	FACW
<i>Cirsium vulgare</i> *	bull thistle	x	x	FACU
<i>Conium maculatum</i> *	poison hemlock		x	FACW
<i>Conyza bonariensis</i> *	little horseweed		x	NI
<i>Cotula coronopifolia</i> *	brass buttons		x	FACW
<i>Cyperus erythrorhizos</i>	red-rooting cyparis	x	x	OBL
<i>Distichlis spicata</i>	saltgrass	x	x	FACW
<i>Eleocharis a. ascicularis</i>	needle spikerush	x	x	OBL
<i>Eleocharis macrostachya</i>	common spike rush	x	x	OBL
<i>Erechtites glomerata</i> *	Australian fireweed	x	x	NI
<i>Erodium botrys</i> *	broadleaf filaree		x	NI
<i>Eryngium aristulatum</i>	coyote thistle	x	x	OBL
<i>Euthamia occidentalis</i>	Western goldenrod		x	OBL
<i>Geranium carolinianum</i>	Carolina geranium	x	x	NI
<i>Gnaphalium luteo-album</i> *	common cudweed	x	x	FACW-
<i>Gnaphalium palustre</i>	low cudweed		x	FACW
<i>Gnaphalium purpureum</i>	purple cudweed	x	x	NI
<i>Heliotropium curassavicum</i>	salt heliotrope	x	x	OBL
<i>Hordeum b. brachyantherum</i>	meadow barley		x	FACW
<i>Hordeum murinum leporinum</i> *	foxtail barley	x		NI
<i>Hypochaeris glabra</i> *	smooth cats' ear		x	NI
<i>Juncus balticus</i>	Baltic rush	x	x	OBL
<i>Juncus bufonius</i>	toad rush	x	x	FACW+
<i>Juncus phaeocephalus</i>	brown-headed rush	x	x	FACW
<i>Juncus xiphioides</i>	iris-leaved rush	x		OBL
<i>Lactuca serriola</i> *	prickly lettuce		x	FAC
<i>Lasthenia glaberrima</i>	smooth lasthenia		x	OBL
<i>Lemna minuscule</i>	small duckweed	x		OBL
<i>Leymus triticoides</i>	blue wild rye	x	x	NI

**Table 5. Plant and Animal Species Observed in Transitional
and Emergent Habitat during 1997 Wetland Monitoring
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<i>Scientific name</i>	<i>Common Name</i>	<i>Range 37</i>	<i>Machine Gun Flats</i>	<i>Wetland Indicator Status</i>
<i>Lolium multiflorum</i> *	Italian ryegrass	x	x	NI
<i>Lotus purshianus</i>	Spanish lotus		x	NI
<i>Lythrum hyssopifolium</i> *	hyssop-leaved loosestrife	x	x	FACW
<i>Madis</i> sp.	tarweed		x	NI
<i>Malvella leprosa</i>	alkali mallow	x	x	FAC
<i>Oxalis pes-caprae</i> *	Bermuda buttercup		x	NI
<i>Plagiobotrys chorisianus</i> <i>hickmanii</i>	Hickman's popcornflower		x	OBL
<i>Plantago coronopus</i> *	cut-leaved plantain	x	x	FAC
<i>Plantago lanceolata</i> *	English plantain	x		FAC
<i>Polygonum punctatum</i>	water smartweed	x		OBL
<i>Polypogon maritimus</i> *	Mediterranean ditch grass	x	x	OBL
<i>Polypogon monspeliensis</i> *	rabbit's-foot grass	x	x	FACW
<i>Potamogeton nodosus</i>	common American pondweed	x	x	OBL
<i>Potamogeton pectinatus</i>	fennel-leaved pondweed	x		OBL
<i>Rorippa palustris</i> <i>occidentalis</i>	marsh yellow cress		x	OBL
<i>Rumex acetosella</i> *	sheep sorrel	x	x	FAC-
<i>Rumex crispus</i>	curly dock	x	x	FACW-
<i>Rumex salicifolius</i>	willow dock	x	x	OBL
<i>Salix laevigata</i>	red willow	x		NI
<i>Scirpus californicus</i>	California tule	x		OBL
<i>Scirpus robustus</i>	alkali bulrush	x		OBL
<i>Scleranthus a. annuus</i> *	knawel		x	FACU
<i>Sisrinchium bellum</i>	blue-eyed grass	x		FAC
<i>Solanum americanum</i> *	small-flowered nightshade	x	x	FAC
<i>Sonchus asper</i> *	prickly sow thistle	x	x	FAC
<i>Spiranthes</i> sp			x	unknown
<i>Stachys a. ajugoidies</i>	bugle hedge nettle	x	x	OBL
<i>Typha angustifolia</i>	narrow-leaved cattail	x		OBL
<i>Typha latifolia</i>	broad-leaved cattail	x		OBL
<i>Vulpia bromoides</i> *	six weeks brome	x	x	FACW
<i>Vulpia m. myuros</i> *	rat-tail fescue		x	FACU
<i>Xanthium strumarium</i>	cocklebur	x	x	FAC+

**Table 5. Plant and Animal Species Observed in Transitional
and Emergent Habitat during 1997 Wetland Monitoring
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Scientific name	Common Name	Range 37	Machine Gun Flats	Wetland Indicator Status
Animals Observed During Wetland Monitoring				
Amphibians				NA
<i>Hyla regilla</i>	Pacific treefrog	X	X	NA
<i>Rana catesbeiana</i>	bullfrog	X		NA
Reptiles				NA
<i>Coluber constrictor</i>	racer	X		NA
<i>Thamnophis sirtalis</i>	common garter snake	X		NA
Birds				
<i>Anas platyrhynchos</i>	mallard		X	NA
<i>Accipiter cooperii</i>	Cooper's hawk	X	X	NA
<i>Buteo jamaicensis</i>	red-tailed hawk	X		NA
<i>Elanus leucurus</i>	white-tailed kite	X		NA
<i>Circus cyaneus</i>	northern harrier	X		NA
<i>Zenaidura macroura</i>	mourning dove		X	NA
<i>Calypte anna</i>	Anna's hummingbird	X		NA
<i>Empidonax difficilis</i>	Pacific slope flycatcher		X	NA
<i>Sayornis nigricans</i>	black phoebe		X	NA
<i>Hirundo pyrrhonota</i>	cliff swallow		X	NA
<i>Hirundo rustica</i>	barn swallow		X	NA
<i>Tachycineta bicolor</i>	tree swallow	X		NA
<i>Aphelocoma coerulescens</i>	scrub jay	X		NA
<i>Psaltirparus minimus</i>	bushtit		X	NA
<i>Chamaea fasciata</i>	wren		X	NA
<i>Agelaius phoeniceus</i>	red-winged blackbird		X	NA
<i>Agelaius tricolor</i>	tricolor blackbird		X	NA
<i>Euphagus cyanocephalus</i>	Brewer's blackbird		X	NA
<i>Melospiza melodia</i>	song sparrow		X	NA
<i>Pipilo crissalis</i>	California towhee		X	NA
<i>Pipilo erythrophthalmus</i>	spotted towhee		X	NA
<i>Carduelis psaltria</i>	lesser goldfinch		X	NA
<i>Carpodacus mexicanus</i>	house finch	X	X	NA
Mammals				
<i>Procyon lotor</i>	raccoon	X	X	NA
<i>Urocyon cinereoargenteus</i>	gray fox	X	X	NA
<i>Microtus californicus</i>	California vole		X	NA
<i>Odocoileus hemionus</i>	mule deer	X	X	NA

*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 6. Summary of Wetland Monitoring Transects
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Site	Transect Number	Transect Length (ft)	Number of Quadrats		Total Area Sampled (m ²)
			Emergent Habitat	Transitional Habitat	
Range 37	1	100	9	2	2.75
	2	100	0	11	2.75
	3	100	9	2	2.5
	4	100	7	3	2.5
	5	100	7	4	2.75
	6	100	6	5	2.75
Machine Gun Flats	1	98	7	4	2.75
	2	70	6	2	2
	3	64	4	3	1.75
	4	100	0	11	2.75
	5	99	4	4	2
	6	50	4	2	1.5
	7	50	3	3	1.5
	8	50	3	3	1.5
	9	50	4	1	1.25

Table 7. Percent Vegetative Cover by Species for Transitional Habitat at Range 37
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Quadrat Number:			Transect 1					Transect 2										
Code	Scientific Name	Common Name	4	5	Average % Cover	1	2	3	4	5	6	7	8	9	10	11	Average Cover (%)	
			% Cover	% Cover		% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover		
DV	..	Common Name			0.0												0.0	
AE	<i>Agrostis exarata</i>	dead vegetation			0.0												0.0	
AC	<i>Aira caryophyllaea</i> *	bent grass			0.0												0.0	
AA	<i>Anagallis arvensis</i> *	silver hairgrass			0.0												0.0	
AB	<i>Avena barbata</i> *	scarlet pimpernel			0.0												0.0	
AF	<i>Azolla filiculoides</i>	slender wild oat			0.0												0.0	
BD	<i>Baccharis douglasii</i>	mosquito fern	2	10	6.0		30	20		40	60	25	5	15		20	17.7	
BM	<i>Briza minor</i> *	marsh beecharis			0.0							10	10	5			4.5	
BH	<i>Bromus hordeaceus</i> *	small quaking grass			0.0												0.0	
CB	<i>Carex barbarae</i>	soft chess			0.0	40			60								3.6	
CE	<i>Carpobrotus edulis</i> *	sedge			0.0												5.5	
CV	<i>Cirsium vulgare</i> *	hotentot fig			0.0												0.0	
DS	<i>Distichlis spicata</i>	bull thistle			0.0												0.0	
EAA	<i>Eleocharis a. acicularis</i>	saltgrass			0.0												0.0	
EM	<i>Eleocharis macrostachya</i>	needle spikerush	80		40.0												0.0	
EG	<i>Erechtites glomerata</i> *	common spikerush	5	90	47.5							30	5	60	80	70	21.8	
EA	<i>Eryngium aristulatum</i>	Australian fireweed			0.0												0.0	
EO	<i>Euthamia occidentalis</i>	coyote thistle			0.0		5		7								0.5	
GC	<i>Geranium carolinianum</i>	western goldenrod			0.0												0.8	
GLA	<i>Graphalium luteo-album</i> *	Carolina geranium			0.0												0.0	
HM	<i>Hordeum murinum leporinum</i> *	cudweed			0.0												0.0	
JB	<i>Juncus balticus</i>	farmers foxtail			0.0	59	70	75	30	60	40	30	60	20			40.4	
JP	<i>Juncus phaeocephalus</i>	Baltic rush			0.0												1.8	
JX	<i>Juncus xiphioides</i>	brown-headed rush			0.0												0.5	
LT	<i>Leymus triticoides</i>	Irish-leaved rush			0.0							5					0.0	
LM	<i>Lolium multiflorum</i> *	creeping wild rye			0.0												0.0	
LH	<i>Lythrum hyssopifolium</i>	Italian ryegrass			0.0												0.1	
MS	<i>Madia sp.</i>	hyssop-leaved lythrum	2		1.0	1											0.0	
PC	<i>Plantago coronopus</i> *	tarweed			0.0												0.0	
PL	<i>Plantago lanceolata</i> *	cut-leaf plantain			0.0												0.0	
PP	<i>Polygonum punctatum</i>	English plantain			0.0												0.0	
PM	<i>Polypogon monspeliensis</i> *	smartweed			0.0									15			1.4	
RC	<i>Rumex crispus</i> *	annual beard grass			0.0												0.0	
SR	<i>Scirpus robustus</i>	curly dock			0.0				1								0.1	
SB	<i>Sisyrinchium bellum</i>	bulrush	1		0.5												0.0	
SA	<i>Sonchus asper</i> *	blue-eyed grass			0.0												0.0	
SAA	<i>Stachys a. ajugoides</i>	prickly sow-thistle			0.0												0.0	
TL	<i>Typha latifolia</i>	hedge nettle	5		2.5				2								0.2	
VB	<i>Vulpia bromoides</i>	broad-leaved cattail			0.0												0.0	
		sheep fescue			0.0												0.0	
Total Vegetative Cover			95	100	97.5	100	100	100	100	100.5	100	100	100	100	100	98		
BG ..			5		2.5										10	0.9		
Total			100	100	100	100	100	100	100	100.5	100	100	100	100	100	100	100	

* Non-native species.

Table 7. Percent Vegetative Cover by Species for Transitional Habitat at Range 37
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Quadrat Number:			Transect 3			Transect 4			Transect 5				
Code	Scientific Name	Common Name	10	11	Average	2	3	4	8	9	10	11	Average
			% Cover	% Cover	Cover (%)	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	Cover (%)
DV		dead vegetation			0.0	18	10		10				2.5
AE	<i>Agrostis exarata</i>	bent grass			0.0							35	8.8
AC	<i>Aira caryophyllaea</i> *	silver hairgrass			0.0				5				1.3
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel			0.0							1	0.0
AB	<i>Avena barbata</i> *	slender wild oat			0.0								0.1
AF	<i>Azolla filiculoides</i>	mosquito fern			0.0		25	60					0.0
BD	<i>Baccharis douglasii</i>	marsh baccharis			0.0								0.0
BM	<i>Briza minor</i> *	small quaking grass			0.0				5				1.3
BH	<i>Bromus hordeaceus</i> *	soft chess			0.0				1				0.1
CB	<i>Carex barbarae</i>	sedge			0.0								0.0
CE	<i>Carpobrotus edulis</i> *	hottentot fig			0.0								0.0
CV	<i>Cirsium vulgare</i> *	bull thistle			0.0								0.0
DS	<i>Distichlis spicata</i>	saltgrass			0.0	10					20		7.5
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush	50		25.0	40	10	5	40	3	75		28.5
EM	<i>Eleocharis macrostachya</i>	common spikerush	40		20.0		30					5	0.0
EG	<i>Erechtites glomerata</i> *	Australian fireweed			0.0							5	1.3
EA	<i>Eryngium aristulatum</i>	coyote thistle			0.0							2	0.5
EO	<i>Euthamia occidentalis</i>	western goldenrod			0.0	30	25	35					0.0
GC	<i>Cerastium carolinianum</i>	Carolina geranium			0.0								0.0
GLA	<i>Gnaphalium luteo-album</i> *	cudweed			0.0								0.0
HM	<i>Hordeum murinum lepodium</i> *	farmers foxtail		1	0.5								0.0
JB	<i>Juncus balticus</i>	Baltic rush	5		2.5								0.0
JP	<i>Juncus phaeocephalus</i>	brown-headed rush			0.0				10	2		10	5.5
JX	<i>Juncus xiphioides</i>	iris-leaved rush			0.0								0.0
LT	<i>Leymus triticoides</i>	creeping wild rye			0.0							2	0.5
LM	<i>Lolium multiflorum</i> *	Italian ryegrass		1	0.5				70				17.5
LH	<i>Lythrum hyssopifolium</i>	hyssop-leaved lythrum			0.0							1	0.0
MS	<i>Madia sp.</i>	tarweed			0.0							5	0.3
PC	<i>Plantago coronopus</i> *	cut-leaf plantain		10	5.0				10	10	5		7.5
PPL	<i>Plantago lanceolata</i> *	English plantain		70	35.0								0.0
PP	<i>Polygonum punctatum</i>	smartweed			0.0								0.0
PM	<i>Polygonum monspeliensis</i> *	annual beard grass	2	2	2.0	1			1	1			0.1
RC	<i>Rumex crispus</i> *	curly dock	1		0.5	1							0.3
SR	<i>Scirpus robustus</i>	bulrush			0.0								0.0
SB	<i>Sisyrinchium bellum</i>	blue-eyed grass			0.0							1	0.1
SA	<i>Sonchus asper</i> *	prickly sow-thistle			0.0								0.0
SAA	<i>Stachys a. ajacoides</i>	bedge nettle			1.0				25				6.3
TL	<i>Typha latifolia</i>	brood-leaved cattail	2		0.0								0.0
VB	<i>Vulpia bromoides</i>	sheep fescue			0.0							40	10.0
Total Vegetative Cover			100	84	82	100	100	100	101	101	100	101	100.8
BG	--	bare ground		16	8								
Total			100	100	100	100	100	100	101	101	100	101	100.75

* Non-native species.

Table 7. Percent Vegetative Cover by Species for Transitional Habitat at Range 37
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Quadrat Number:			Transsect											Combined	
Code	Scientific Name	Common Name	7	8	9	10	11	Average					Average Cover (%)		
DV	..	..	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover
AE	<i>Agrostis exarata</i>	dead vegetation													2.74
AC	<i>Aim caryophylla</i> *	bent grass												1	1.3
AA	<i>Attagilis arvensis</i> *	silver hairgrass													0.19
AB	<i>Avena barbata</i> *	scarlet pimpernel												1	0.02
AF	<i>Azolla filiculoides</i>	slender wild oat													0.02
BD	<i>Baccharis douglasii</i>	mosquito fern	58												13
BH	<i>Bromus hordeaceus</i> *	marsh beecharis													1.9
BM	<i>Briza minor</i> *	small quaking grass													0.39
CB	<i>Carex barbarae</i>	soft chess													0.02
CE	<i>Carpobrotus edulis</i> *	hotentot fig													1.5
CV	<i>Cirsium vulgare</i> *	bull thistle													2.2
DS	<i>Distichlis spicata</i>	salgrass													0.02
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush	20	20	27	35	70	34.4							18
EM	<i>Eleocharis macrostachya</i>	common spikerush	5	15											16
EG	<i>Erechtites glomerata</i> *	Australian fireweed													0.37
EA	<i>Eryngium aristulatum</i>	coyote thistle													0.11
EO	<i>Euthamia occidentalis</i>	western goldenrod	5												3.7
GC	<i>Geranium carolinianum</i>	Carolina geranium													0.30
GLA	<i>Gnaphalium luteo-album</i> *	cudweed													0.02
HM	<i>Hordeum murinum leporinum</i> *	farners foxtail													0.04
JB	<i>Juncus balticus</i>	Baltic rush	5												17
JP	<i>Juncus phaeocephalus</i>	brown-headed rush	1	5	5	15	10								2.9
JX	<i>Juncus xiphioides</i>	Irish-leaved rush													0.19
LT	<i>Leymus triticoides</i>	creeping wild rye													0.07
LM	<i>Lolium multiflorum</i> *	Italian ryegrass		2	10	10									3.4
LH	<i>Lythrum hyssopifolium</i>	hyscop-leaved lythrum													0.13
MS	<i>Madia sp.</i>	tarweed													0.04
PC	<i>Plantago coronopus</i> *	cut-leaf plantain													4.1
PL	<i>Plantago lanceolata</i> *	English plantain													2.8
PP	<i>Polygonum punctatum</i>	smartweed													0.58
PM	<i>Polygonum monspeliensis</i> *	annual beard grass													0.85
RC	<i>Rumex crispus</i> *	curly dock	1	2	5	5									0.58
SR	<i>Scirpus robustus</i>	bulrush		10											0.04
SB	<i>Sisyrinchium bellum</i>	blue-eyed grass													0.04
SA	<i>Sonchus asper</i> *	prickly sow-thistle													0.11
SAA	<i>Stachys a. ajugoides</i>	hedge nettle													1.1
TL	<i>Typha latifolia</i>	broad-leaved cattail													0.19
VB	<i>Vulpia bromoides</i>	sheep fescue													1.8
Total Vegetative Cover			95	95	95	95	100	98							98
BG	..	bare ground	5	5	5	5	4.0	2							2
Total			100	100	100	100	100	100							100

* Non-native species.

Table 8. Percent Vegetative Cover by Species for Emergent Habitat at Range 37
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

CodeScientific NameCommon Name			Transect 1											Transect 3											Average % Cover							
			1		2		3		4		5		6		7		8		9													
			%	Cover	%	Cover	%	Cover	%	Cover	%	Cover	%	Cover	%	Cover	%	Cover	%	Cover												
FV	--	floating vegetation/open water	80																					21.7								8.7
AL	<i>Azolla filiculoides</i>	green algae																													8.8	
AF	<i>Ceratophyllum demersum</i>	mosquito fern	10																												0.0	
CE	<i>Ceratophyllum demersum</i>	botanist flag																													0.0	
DS	<i>Distichlis spicata</i>	salt grass																													0.0	
EAA	<i>Eleocharis acicularis</i>	needle spikegrass																													14	
EM	<i>Eleocharis macrostachya</i>	common spikegrass	20	40	100	30	70	50	70	30	5			4	10	5	15	70	85	40	50	85									70.4	
EO	<i>Euthamia occidentalis</i>	western goldenrod																													0.0	
JB	<i>Juncus balticus</i>	Baltic rush	70																												5.6	
LM	<i>Lemna minor</i>	small duckweed																													0.1	
PM	<i>Polypogon monspeliensis</i>	annual beard grass																													0.1	
PN	<i>Potamogeton nodosus</i>	long-leaved pondweed																													0.0	
RC	<i>Rumex crispus</i>	curly dock																													0.1	
SAA	<i>Stachys a. ajugoides</i>	bugle hedge nettle																													0.1	
TL	<i>Typha latifolia</i>	broad-leaved cattail																													0.0	
Total Vegetative Cover			100	100	100	60	95	80	80	70	7			100	100	100	100	100	90	95	80	100	100								97	
BG	--	bare ground																													1.1	
OW	--	open water																													1.7	
Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* Non-native species.

Table 8. Percent Vegetative Cover by Species for Emergent Habitat at Range 37
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Quadrat Number:			Transect 4											Transect 5											
Code	Scientific Name	Common Name	5	6	7	8	9	10	11	Average			1	2	3	4	5	6	7	Average					
			%	%	%	%	%	%	%	%	Cover	%	%	%	Cover	%	%	%	%	%	Cover	%	%	%	
FV	--	floating vegetation/open water																						0.0	
AL	--	green algae																							
AF	<i>Azolla filiculoides</i>	mosquito fern																							
CE	<i>Carpobrotus edulis</i> *	boottentot fig																							
DS	<i>Distichlis spicata</i>	salt grass																							
EAA	<i>Eleocharis a. acicularis</i>	needle spikerrush	13																						
EM	<i>Eleocharis macrostachya</i>	common spikerrush	80																						
EO	<i>Euthamia occidentalis</i>	western goldenrod	5																						
JB	<i>Juncus balticus</i>	Baltic rush																							
LM	<i>Lemna minuscula</i>	small duckweed																							
PM	<i>Polypogon monspeliensis</i> *	annual beard grass																							
PN	<i>Potamogeton nodosus</i>	long-leaved pondweed																							
RC	<i>Rumex crispus</i>	curly dock	1																						
SAA	<i>Stachys a. ajugoides</i>	bugle hedge nettle	1																						
TL	<i>Typha latifolia</i>	broad-leaved cattail																							
Total Vegetative Cover			100	100	100	100	100	100	100	100	100	100	100	17	95	40	15	6	6	11	27				
BG	--	bare ground																						0.0	
OW	--	open water												83	5	60	85	94	94	89	0.0			72.9	
Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.0			100

* Non-native species.

Table 8. Percent Vegetative Cover by Species for Emergent Habitat at Range 37
1997 Annual Habitat Monitoring Report
Former Fort rd, Monterey, California

Code	Scientific Name	Quadrat Number: Common Name	Transect												Combined Average Cover (%)
			1		2		3		4		5		6		
			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	Average % Cover		
FV	--	floating vegetation/open water													6.7
AL	--	green algae			1	5									0.16
AF	<i>Azolla filiculoides</i>	mosquito fern	5	2	2	50	15	94							12
CE	<i>Carpobrotus edulis</i> *	boettner's fig													0.26
DS	<i>Distichlis spicata</i>	salt grass													0.13
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush	20		10										2.4
EM	<i>Eleocharis macrostachya</i>	common spikerush	5	5	5	10	10	5							42
EO	<i>Euthamia occidentalis</i>	western goldenrod													0.13
JB	<i>Juncus balticus</i>	Baltic rush							1	1					3.2
LM	<i>Lemna minor</i>	small duckweed													1.1
PM	<i>Polypogon monspeliensis</i> *	annual beard grass													0.03
PN	<i>Potamogeton nodosus</i>	long-leaved pondweed													2.2
RC	<i>Rumex crispus</i>	curly dock													0.05
SAA	<i>Stachys a. albugoides</i>	bugle hedge nettle													0.05
TL	<i>Typha latifolia</i>	broad-leaved cattail				1									0.03
Total Vegetative Cover			30	7	18	66	28	100							71
BG	--	bare ground		83	32	34									4.2
OW	--	open water	70	10	50		74								25
Total			100	100	100	100	100	100							100

* Non-native species.

Table 9. Percent Vegetative Cover by Species for Transitional Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Quadrat Number	Transect 1					Transect 2					Transect 3				
			1	2	3	4	Average	1	2		Average	1	2	3	Average		
			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover		
DV	--	Common Name															
AC	<i>Aira caryophyllaea</i> *	dead vegetation	5	45	12		14.3	18	5		11.5	5	13	9	9.0		
AA	<i>Anagallis arvensis</i> *	silver hairgrass		3			2.0				0.0		5		1.7		
AB	<i>Avena barbata</i> *	scarlet pimpernel					0.0				0.0				0.0		
BP	<i>Baccharis pilularis</i>	slender wild oat					0.0				0.0				0.0		
BM	<i>Baccharis pilularis</i>	coyote brush					0.0	3			1.5				0.0		
BH	<i>Briza minor</i> *	little quaking grass			5		1.3	1			0.5	1			0.3		
CS	<i>Bromus hordeaceus</i> *	soft chess	3				0.8				0.0				0.0		
CV	<i>Castilleja sp.</i>	owl's clover					0.0				0.0				0.0		
CM	<i>Cirsium vulgare</i> *	bull thistle					0.0				0.0	20			8.7		
CB	<i>Conium maculatum</i> *	poison hemlock					0.0				0.0				0.0		
CC	<i>Conyza bonariensis</i>	little horseweed			1		0.3				0.0				0.0		
CC	<i>Cotula coronopifolia</i> *	brass buttons					0.0				0.0				0.0		
DS	<i>Distichlis spicata</i>	saltgrass			5		1.3				0.0				0.0		
EAA	<i>Eleocharis a. acicularis</i>	needle spikerush				40	10.0	2	10		6.0				0.0		
EM	<i>Eleocharis macrostachya</i>	common spikerush				35	8.8				0.0				0.0		
EG	<i>Erechtites glomerata</i> *	Australian fireweed			10		2.5	5			2.5				0.0		
EB	<i>Erodium botrys</i> *	broadleaf filaree	15	2			4.3				0.0		4		1.3		
EA	<i>Eryngium aristulatum</i>	coyote thistle					0.0				0.0		25	20	15.0		
GC	<i>Geranium carolinianum</i>	Carolina geranium		5	5		2.5				0.0				0.0		
GLA	<i>Gnaphalium luteo-album</i> *	cudweed		1	2		0.8				0.0				0.0		
GP	<i>Gnaphalium palustre</i>	lowland cudweed				5	1.3				0.0				0.0		
GPU	<i>Gnaphalium purpureum</i>	purple everlasting					0.0				0.0		10		3.3		
HC	<i>Heliotropium curassavicum</i>	heliotrope					0.0				0.0				0.0		
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ears	3				0.8				0.0				0.0		
JB	<i>Juncus balticus</i>	Baltic rush			15	20	8.8	60	80		70.0			20	6.7		
JP	<i>Juncus phaeocephalus</i>	brown-headed rush					0.0				0.0			30	10.0		
LT	<i>Leymus triticoides</i>	creeping wild rye	5	20	8		8.3	3			1.5	75	2	20	32.3		
LM	<i>Lolium multiflorum</i> *	Italian ryegrass					0.0				0.0				0.0		
LP	<i>Lotus purshianus</i>	Pursh's lotus			15		0.0				0.0				0.0		
LH	<i>Lythrum hyssopifolium</i>	hyssop-leaved lythrum		2			3.8				0.0		8		2.7		
MS	<i>Madia sp.</i>	tarweed	1				0.8				0.0				0.0		
ML	<i>Malva leprosa</i>	alkali mallow					0.0				0.0				0.0		
OFC	<i>Oxalis pes-caprae</i> *	Bermuda buttercup			5		1.3				0.0				0.0		
PF	<i>Plagiobothrys chorisianus</i>	Hickman's popcorn flower					0.0				0.0				0.0		
PC	<i>Plantago coronopus</i> *	cutleaf plantain					5.5				0.0				0.0		
PM	<i>Polypogon maritimus</i> *	Mediterranean beard grass	2	20			0.0				0.0	2		1	0.7		
PMO	<i>Polypogon monspeliensis</i> *	annual beard grass				1	0.3				0.0				0.0		
RP	<i>Horippa palustris occidentalis</i>	water cross					0.0				0.0				0.0		
RA	<i>Rumex acetosella</i> *	sheep sorrel		3			0.8				2.5				0.0		
EC	<i>Rumex crispus</i> *	curly dock					0.0				0.0				0.0		
SS	<i>Scirpus sp.</i>	rush					0.0				0.0				0.0		
SA	<i>Solanum americanum</i>	nightshade					0.0				0.0				0.0		
SAS	<i>Sonchus asper</i> *	prickly sow-thistle			2		0.5				0.0				0.0		
SAA	<i>Stachys a. ajugoides</i>	hedge nettle					0.0	3	5		4.0		20		6.7		
VM	<i>Vulpia myuros</i> *	rattail fescue	10				2.5				0.0		10		3.3		
Total Vegetative Cover			44	101	85	101	82.75	100	100		100	100	100	100	100		
BG	--	bare ground	56		15		17.8				0.0				0.0		
Total			100	101	100	101	100.5	100	100		100	100	100	100	100		

* Non-native species.

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Table 9. Percent Vegetative Cover by Species for Transitional Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California

Code	Scientific Name	Quadrat Number	Transect 4											Transect 5				Average % Cover	% Cover
			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4		
			%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
DV	dead vegetation																		
AC	<i>Aira caryophylla</i> *		10															0.0	0.0
AA	<i>Anagallis arvensis</i> *																	0.9	0.8
AB	<i>Avena barbata</i> *		10															0.0	0.0
BP	<i>Baccharis pilularis</i>																	0.9	0.0
BM	<i>Briza minor</i> *		8															0.0	0.0
BH	<i>Bromus hordeaceus</i> *																	0.7	0.0
BS	<i>Castilleja</i> sp.																	0.0	0.0
CV	<i>Cirsium vulgare</i> *																	0.0	0.5
CM	<i>Conium maculatum</i> *																	0.0	0.0
CB	<i>Conyza bonariensis</i>																	0.0	0.0
CC	<i>Cotula coronopifolia</i> *																	0.0	0.0
DS	<i>Distichlis spicata</i>		2	30	3	2	30	3	20	5	5	5	10			1		0.0	0.3
FAA	<i>Eleocharis a. acicularis</i>		10	25	14	2	30		15			20			30	30	5	7.5	8.8
EM	<i>Eleocharis macrostachya</i>																	0.0	18.8
EG	<i>Erechtites glomerata</i> *																	0.0	0.0
EB	<i>Erodium botrys</i> *																	0.0	2.5
EA	<i>Eryngium aristatum</i>		40	20	40	20	20	35	30	35	20	45	25		10	5		30.0	7.5
GC	<i>Geranium carolinianum</i>																	0.0	0.0
GLA	<i>Gnaphalium luteo-album</i> *																	0.0	0.0
GPU	<i>Gnaphalium palustre</i>																	0.0	0.0
HC	<i>Gnaphalium purpureum</i>																	0.0	0.0
HG	<i>Heliotropium curassavicum</i>																	0.0	0.0
JB	<i>Hypochoeris glabra</i> *																	0.0	0.0
JP	<i>Juncus balticus</i>																	0.0	0.0
LT	<i>Juncus phaeocephalus</i>																	0.0	0.0
LM	<i>Laymus triticoides</i>		15	20	20	70	50	50	30	30	65	30	65		45	65	20	35.6	32.5
LP	<i>Lotus purshianus</i>														5			0.0	1.3
LH	<i>Lythrum hyssopifolium</i>																	0.0	0.0
MS	<i>Madia</i> sp.		5	10	15	5	10	5	20									0.3	0.0
ML	<i>Malvella leptosa</i>																	0.0	0.0
OPC	<i>Oxalis pes-caprae</i> *																	6.4	6.3
PF	<i>Plagiobothrys chorizanus</i>																	0.0	0.0
PC	<i>Plantago coronopus</i> *		5															0.0	0.0
PM	<i>Polypogon maritimus</i> *																	0.0	0.0
PMO	<i>Polypogon monspeliensis</i> *																	0.0	0.8
RP	<i>Rorippa palustris occidentalis</i>																	0.0	0.0
RA	<i>Rumex acetosella</i> *																	0.0	0.0
EC	<i>Rumex crispus</i> *																	0.0	0.0
SS	<i>Scirpus</i> sp.														15			0.0	3.8
SA	<i>Solanum americanum</i>																	0.0	0.0
SAS	<i>Sonchus asper</i> *																	0.0	0.0
SAA	<i>Stachys a. ajacoides</i>																	2.9	0.0
VM	<i>Vulpia myuros</i> *																	0.0	0.0
Total Vegetative Cover			100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	99	91
BG	bare ground				8													1	9
Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* Non-native species.

Table 7 10-14-10E tran

**Table 9. Percent Vegetative Cover by Species for Transitional Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number	Transect 8				Transect 7				Transect 6				Transect 5		Combined Average Cover (%)
			1		2		1		2		1		2		% Cover	% Average	
			%	Average	%	Average	%	Average	%	Average	%	Average					
DV	--	dead vegetation		0.0													3.2
AC	<i>Aira caryophyllaea</i> *	silver hairgrass		0.0													0.79
AA	<i>Anagallis arvensis</i> *	scarlet pimpernel		0.0													0.30
AB	<i>Avena barbata</i> *	slender wild oat		0.0													0.30
BP	<i>Baccharis pilularis</i>	coyote brush		0.0													0.09
BM	<i>Briza minor</i> *	little quaking grass		0.0													0.45
BH	<i>Bromus hordeaceus</i> *	soft chess		0.0													0.09
CS	<i>Castilleja sp.</i>	owl's clover		0.0													0.08
CV	<i>Cirsium vulgare</i> *	bull thistle		0.0													0.61
CM	<i>Conium maculatum</i> *	poison hemlock		0.0													0.15
CB	<i>Conyza bonariensis</i>	little horseweed	5	0.0	1.7												0.03
CC	<i>Cotula coronopifolia</i> *	brass buttons		0.0													0.03
DS	<i>Distichlis spicata</i>	saltgrass	15	7.5													4.1
EAA	<i>Eleocharis a. acicularis</i>	needle spikeweed		0.0													7.9
EM	<i>Eleocharis macrostachya</i>	common spikeweed		0.0		35	11.7							78			7.1
EG	<i>Erechtites glomerata</i> *	Australian fireweed		0.0													0.45
EB	<i>Erodium betrys</i> *	broadleaf filaree		0.0													0.94
EA	<i>Eryngium arislatum</i>	coyote thistle		0.0													1.2
GC	<i>Geranium carolinianum</i>	Caroline geranium		0.0													0.30
GLA	<i>Gnaphalium luteo-album</i> *	cutweed		0.0													0.09
GP	<i>Gnaphalium palustre</i>	lowland cutweed		0.0										5			0.48
GPU	<i>Gnaphalium purpureum</i>	purple everlasting		0.0													0.30
HHC	<i>Heliotropium curassavicum</i>	heliotrope		0.0		10	3.3										0.30
HG	<i>Hypochaeris glabra</i> *	smooth cat's-ears		0.0													0.09
JB	<i>Juncus balticus</i>	Baltic rush	15	25	20.0												9.2
JP	<i>Juncus phaeoscephalus</i>	brown-headed rush	10	25	17.5												20
LT	<i>Leymus triticoides</i>	creeping wild rye	75	35	55.0												17
LM	<i>Lolium multiflorum</i> *	Italian ryegrass		0.0		95	100	55	83.3								0.15
LP	<i>Lotus purshianus</i>	Pursh's lotus		0.0										3			0.09
LH	<i>Lythrum hyssopifolium</i>	hyssop-leaved lythrum		0.0										5			0.97
MMS	<i>Madia sp.</i>	tarweed		0.0													0.33
ML	<i>Malvella leprosa</i>	alkali mallow		0.0													2.9
OPC	<i>Oxalis pes-caprae</i> *	Bermuda buttercup		0.0													0.15
PPF	<i>Plantago bothrys chorisianus</i>	Hickman's popcorn flower		0.0													0.15
PC	<i>Plantago coronopus</i> *	cutleaf plantain		0.0										2			0.79
PM	<i>Polypogon maritimus</i> *	Mediterranean beard grass		0.0													0.18
PMO	<i>Polypogon monspeliensis</i> *	annual beard grass		0.0													0.03
REP	<i>Rorippa palustris occidentalis</i>	water cress		0.0										4			0.12
RA	<i>Rumex acetosella</i> *	sheep sorrel		0.0													0.24
RC	<i>Rumex crispus</i> *	curly dock		0.0										5			0.15
SS	<i>Scirpus sp.</i>	rush		0.0													0.45
SA	<i>Solanum americanum</i>	nightshade		0.0										1			0.03
SAS	<i>Sonchus asper</i> *	prickly sow-thistle		0.0										3			0.15
SAA	<i>Stachys a. ajugoides</i>	bedge nettle		0.0													2.4
VM	<i>Vulpia myuros</i> *	rattail fescue		0.0										20			0.61
Total Vegetative Cover			100	100	100	100	100	100	100	100	100	100	100	100	100	100	97
BG	--	bare ground		0.0													3.5
Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* Non-native species.

Tbls7_10.xls(10E tran)
December 12, 1997

**Table 10. Percent Vegetative Cover by Species for Emergent Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number Common Name	Transect 1											Transect 2							
			5	6	7	8	9	10	11	Average % Cover	3	4	5	6	7	8	Average % Cover				
			% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover		% Cover	% Cover	% Cover	% Cover	% Cover	% Cover		% Cover			
DV	--	dead vegetation	20															0.0			
AF	<i>Azolla filiculoides</i>	mosquito fern				1						10.3						0.0			
DS	<i>Distichlis spicata</i>	salt grass					15	10				0.1						0.0			
EAA	<i>Eleocharis a. acicularis</i>	spikerush	60					20				3.6	5	2	15			3.7			
EM	<i>Eleocharis macrostachya</i>	common spikerush	100		50	80	25	40	80			11.4	15	20	5			6.7			
EA	<i>Eryngium aristulatum</i>	coyote thistle										53.6	10	70	60	40	65	51.7			
EO	<i>Euthamia occidentalis</i>	western goldenrod	15		20							0.0						0.0			
HB	<i>Hordeum b. brachyantherum</i>	barley										5.0						0.0			
JB	<i>Juncus balticus</i>	Baltic rush					50					7.1	70					11.7			
JP	<i>Juncus phaeocephalus</i>	brown-headed rush					5	25				4.3	5	10				5.0			
ML	<i>Malva leprosa</i>	alkali mallow							3			0.0						0.0			
PM	<i>Polypogon maritimus</i> *	Mediterranean beard grass										0.4						0.0			
PN	<i>Potamogeton nodosus</i>	long-leaved pondweed							5			1.4		5				0.8			
SA	<i>Solanum americanum</i>	nightshade	5				5					0.7						0.0			
SAA	<i>Stachys a. ajugoides</i>	hedge nettle										0.0						0.0			
TA	<i>Typha angustifolia</i>	narrow-leaved cattail										0.0						0.0			
Total Vegetative Cover			100	100	100	101	100	100	85	98	100		100	100	70	50	77	80	79.5		
MU	--	mud										0.0							0.0		
OW	--	open water							15	2					30	50	23	20	20.5		
Total			100	100	100	101	100	100	100	100	100	100	100	100	100	100	100	100	100		

* Non-native species.

**Table 10. Percent Vegetative Cover by Species for Emergent Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort Ord, Monterey, California**

Code	Scientific Name	Quadrat Number	Transect 3						Transect 5						Transect 6					
			4	5	6	7	Average		5	6	7	8	Average		3	4	5	6	Average	
			%	%	%	%	Cover	% Cover	%	%	%	%	Cover	% Cover	%	%	%	%	%	% Cover
DV	--		5					1.3						0.0						0.0
AF	<i>Azolla filiculoides</i>	dead vegetation						0.0						0.0						0.0
DS	<i>Distichlis spicata</i>	mosquito fern	10	3	5			4.5						0.0	5	10	2	4		5.3
EAA	<i>Eleocharis a. acicularis</i>	salt grass																		
EM	<i>Eleocharis macrostachya</i>	spikernush	85	10	20	10		10.0	5			45		12.5	60	70	85	80		73.8
EA	<i>Eleocharis aristulatum</i>	common spikernush		80	40	85		67.5	35	15	35	50		33.8						0.0
EO	<i>Eryngium aristulatum</i>	coyote thistle			10			2.5						0.0						0.0
HB	<i>Euthamia occidentalis</i>	western goldenrod						0.0						0.0						0.0
JB	<i>Hordeum b. brachyantherum</i>	barley		2				0.5						0.0						0.0
JP	<i>Juncus balticus</i>	Baltic rush	10					2.5						0.0	25	20	13	16		18.5
JP	<i>Juncus phaeocephalus</i>	brown-headed rush				5		6.3				5		1.3						0.0
ML	<i>Malvella leprosa</i>	alkali mallow	5	3	2			2.5						0.0	10					2.5
PM	<i>Polypogon maritimus</i> *	Mediterranean beard grass						0.0						0.0						0.0
PN	<i>Potamogeton nodosus</i>	long-leaved pondweed						0.0	15	35	35			21.3						0.0
SA	<i>Solanum americanum</i>	nightshade						0.0						0.0						0.0
SAA	<i>Stachys a. ajugoides</i>	hedge nettle	5	2	3			2.5						0.0						0.0
TA	<i>Typha angustifolia</i>	narrow-leaved cattail						0.0						0.0						0.0
Total Vegetative Cover			100	100	100	100	100	100	55	50	70	100	69		100	100	100	100	100	100
MU	--	mud						0.0						0.0						0.0
OW	--	open water						0.0	45	50	30		31							0.0
Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* Non-native species.

Table 10. Percent Vegetative Cover by Species for Emergent Habitat at Machine Gun Flats
1997 Annual Habitat Monitoring Report
Former Fort rd, Monterey, California

Code	Scientific Name	Quadrat Number	Transect 7						Transect 8						Transect 9						Combined Average Cover (%)
			4	5	6	Average	% Cover	%	4	5	6	Average	% Cover	%	2	3	4	5	Average	% Cover	
DV	--	Common Name																			
DF	<i>Azolla filiculoides</i>	dead vegetation				0.0						0.0							0.0		2.2
DS	<i>Distichlis spicata</i>	mosquito fern				0.0						6.7							0.0		0.60
EAA	<i>Eleocharis a. acicularis</i>	salt grass				0.0			5		25	10.0			2				0.5		3.4
EM	<i>Eleocharis macrostachya</i>	spikerush				0.0			5		15	6.7							0.0		6.6
EA	<i>Elygnum aristulatum</i>	common spikerush	85	80	60	75.0			70	20	50	46.7			90	97	90	70	86.8		60
EO	<i>Euthamia occidentalis</i>	coyote thistle				0.0						0.0							0.0		0.29
HB	<i>Hordeum b. brachyantherum</i>	western goldenrod				0.0						0.0							0.0		1.0
JB	<i>Juncus balticus</i>	barley				0.0						0.0							0.0		0.06
JP	<i>Juncus phaeocephalus</i>	Baltic rush				0.0						0.0							0.0		3.7
ML	<i>Malvella leprosa</i>	brown-headed rush	5	20	15	13.3					20	6.7			3	5	15		5.8		7.1
PM	<i>Polypogon maritimus</i> *	alkali mallow				0.0						0.0							0.0		0.29
PN	<i>Potamogeton nodosus</i>	Mediterranean beard grass				0.0						0.0							0.0		0.37
SA	<i>Solanum americanum</i>	long-leaved pondweed				0.0					15	5.0							0.0		3.3
SAA	<i>Stachys a. ajugoides</i>	nightshade				0.0						0.0							0.0		0.14
TA	<i>Typha angustifolia</i>	hedge nettle				0.0						0.0			8				2.0		0.51
		narrow-leaved cattail				0.0					5	1.7							0.0		0.14
Total Vegetative Cover			90	100	75	85.3			80	70	100	83			100	100	95	85	95		89.5
MU	--	mud	10			3.3						0.0							0.0		0.29
OW	--	open water			25	8.3			20	30		17					5	15	5.0		10.2
Total			100	100	100	100			100	100	100	100			100	100	100	100	100		100

* Non-native species.