

Table 6-10  
Interim Action Range MRA - Range 47 Subarea C  
Vegetation Cover in Areas Subject to Vegetation Cutting Conducted in 2011

ESCA RP 2014 Annual Natural Resource Report

Scientific Name	Common Name	Twenty-nine Baseline Transects				
		Baseline Data 2010 - 2011 (all IAR MRA basline transects)				
		Mean Percent Cover	Standard Deviation	90% Confidence Interval	Mean Relative Cover	Frequency
Tree Species						
<i>Quercus agrifolia</i>	coast live oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Native Tree Cover		0.0%			0.0%	
Shrub and Sub-Shrub Species						
<i>Arctostaphylos tomentosa</i> subsp. <i>tomentosa</i>	shaggy-barked manzanita	29.3%	15.6%	4.9%	31.0%	100%
<i>Ceanothus rigidus</i>	Monterey ceanothus	13.5%	9.3%	2.9%	14.3%	96.6%
<i>Ceanothus dentatus</i>	dwarf ceanothus	20.2%	16.0%	5.0%	21.4%	89.7%
<i>Adenostoma fasciculatum</i>	chamise	9.0%	6.9%	2.2%	9.5%	89.7%
<i>Crocanthemum scoparium</i>	rush-rose	8.1%	9.1%	2.9%	8.6%	86.2%
<i>Salvia mellifera</i>	black sage	5.3%	7.2%	2.3%	5.6%	69.0%
<i>Arctostaphylos pumila</i>	sandmat manzanita	1.6%	2.0%	0.6%	1.7%	65.5%
<i>Eriophyllum confertiflorum</i>	golden yarrow	1.5%	2.2%	0.7%	1.6%	65.5%
<i>Frangula californica</i> subsp. <i>californica</i>	California coffeeberry	0.9%	1.9%	0.6%	1.0%	31.0%
<i>Mimulus aurantiacus</i>	sticky monkey flower	0.5%	0.9%	0.3%	0.5%	27.6%
<i>Ericameria ericoides</i>	dune-heather, mock-heather	1.5%	5.6%	1.8%	1.6%	24.1%
<i>Baccharis pilularis</i> subsp. <i>consanguinea</i>	coyote brush	0.7%	1.8%	0.6%	0.7%	24.1%
<i>Lepechinia calycina</i>	pitcher sage	0.4%	1.4%	0.5%	0.4%	20.7%
<i>Ericameria fasciculata</i>	Eastwood's ericameria	0.2%	0.5%	0.2%	0.2%	17.2%
<i>Lupinus chamissonis</i>	silver bush lupine	0.4%	1.1%	0.4%	0.4%	13.8%
<i>Acmispon glaber</i>	deerweed	1.4%	0.0%	--	1.5%	0.0%
<i>Garrya elliptica</i>	coast silk-tassel	0.0%	0.0%	--	--	0.0%
<i>Symphoricarpos mollis</i>	creeping snowberry	0.0%	0.0%	--	--	0.0%
<i>Toxicodendron diversilobum</i>	poison-oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Shrub and Subshrub Cover		94.5%			99%	
Total Combined Mean Cover Between Shrubs and Subshrubs		1.3%	2.3%	1.3%	--	90.0%
Target Weed Total ( <i>Carpobrotus edulis</i> )		0.0%	0.0%			0.0%
Total Mean Percent Native Vegetative Cover		95.8%				
Total Mean Percent Bare Ground (Including Masticated Vegetation)		19.3%				
Total Mean Percent Masticated Vegetation (calculated in 2014 only)		--				
Total Mean Percent Bare Ground		19.3%	9.3%	2.9%	--	100%

Note: Not all species observed along the transects listed in this table

Table 6-10  
Interim Action Range MRA - Range 47 Subarea C  
Vegetation Cover in Areas Subject to Vegetation Cutting Conducted in 2011

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Scientific Name	Common Name	Six Baseline Transects				
		Baseline Data 2010 - 2011 (Range 47 Subarea C baseline transects)				
		Mean Percent Cover	Standard Deviation	90% Confidence Interval	Mean Relative Cover	Frequency
Tree Species						
<i>Quercus agrifolia</i>	coast live oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Native Tree Cover		0.0%			0.0%	
Shrub and Sub-Shrub Species						
<i>Arctostaphylos tomentosa</i> subsp. <i>tomentosa</i>	shaggy-barked manzanita	34.4%	15.3%	0.5%	30.2%	100%
<i>Ceanothus rigidus</i>	Monterey ceanothus	16.6%	12.3%	0.4%	14.6%	100.0%
<i>Ceanothus dentatus</i>	dwarf ceanothus	13.7%	15.1%	0.5%	12.1%	83.3%
<i>Adenostoma fasciculatum</i>	chamise	10.5%	6.3%	5.2%	9.2%	83.3%
<i>Crocanthemum scoparium</i>	rush-rose	6.1%	7.6%	0.3%	5.4%	83.3%
<i>Salvia mellifera</i>	black sage	2.3%	2.5%	0.1%	2.1%	66.7%
<i>Arctostaphylos pumila</i>	sandmat manzanita	0.8%	1.1%	0.0%	0.7%	50.0%
<i>Eriophyllum confertiflorum</i>	golden yarrow	0.6%	0.7%	0.0%	0.5%	66.7%
<i>Frangula californica</i> subsp. <i>californica</i>	California coffeeberry	0.4%	0.9%	0.0%	0.4%	33.3%
<i>Mimulus aurantiacus</i>	sticky monkey flower	0.7%	1.4%	0.0%	0.6%	33.3%
<i>Ericameria ericoides</i>	dune-heather, mock-heather	1.2%	2.0%	0.1%	1.1%	50.0%
<i>Baccharis pilularis</i> subsp. <i>consanguinea</i>	coyote brush	1.2%	2.6%	0.1%	1.1%	33.3%
<i>Lepechinia calycina</i>	pitcher sage	1.3%	3.1%	0.1%	1.1%	16.7%
<i>Ericameria fasciculata</i>	Eastwood's ericameria	0.4%	0.7%	0.0%	0.4%	33.3%
<i>Lupinus chamissonis</i>	silver bush lupine	0.3%	0.7%	0.0%	0.2%	16.7%
<i>Acmispon glaber</i>	deerweed	1.2%	1.3%	0.0%	1.1%	83.3%
<i>Garrya elliptica</i>	coast silk-tassel	0.0%	0.0%	--	0.0%	0.0%
<i>Symphoricarpos mollis</i>	creeping snowberry	0.0%	0.0%	--	0.0%	0.0%
<i>Toxicodendron diversilobum</i>	poison-oak	0.0%	0.0%	--	0.0%	0.0%
Total Mean Percent Shrub and Subshrub Cover		91.7%				
Total Combined Mean Cover Between Shrubs and Subshrubs		0.5%	1.3%	0.0%	0.5%	16.7%
Target Weed Total ( <i>Carpobrotus edulis</i> )						
Total Mean Percent Native Vegetative Cover		92.2%				
Total Mean Percent Bare Ground (Including Masticated Vegetation)		19.3%				
Total Mean Percent Masticated Vegetation (calculated in 2014 only)		--				
Total Mean Percent Bare Ground		21%	10%	0%	19%	100%

Note: Not all species observed along the transects list

Table 6-10  
Interim Action Range MRA - Range 47 Subarea C  
Vegetation Cover in Areas Subject to Vegetation Cutting Conducted in 2011

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Scientific Name	Common Name	Three transects with Vegetation Cutting Conducted in 2011				
		Post-activity Data 2012 (Year 1)				
		Mean Percent Cover	Standard Deviation	90% Confidence Interval	Mean Relative Cover	Frequency
Tree Species						
<i>Quercus agrifolia</i>	coast live oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Native Tree Cover		0.0%			0.0%	
Shrub and Sub-Shrub Species						
<i>Arctostaphylos tomentosa</i> subsp. <i>tomentosa</i>	shaggy-barked manzanita	30.1%	12.1%	20.3%	61.0%	100%
<i>Ceanothus rigidus</i>	Monterey ceanothus	0.1%	0.2%	0.3%	0.2%	33.3%
<i>Ceanothus dentatus</i>	dwarf ceanothus	0.0%	0.0%	--	--	0.0%
<i>Adenostoma fasciculatum</i>	chamise	3.9%	2.8%	4.7%	7.8%	100%
<i>Crocanthemum scoparium</i>	rush-rose	0.1%	0.2%	0.3%	0.2%	33.3%
<i>Salvia mellifera</i>	black sage	1.5%	2.4%	4.0%	3.0%	66.7%
<i>Arctostaphylos pumila</i>	sandmat manzanita	0.6%	0.8%	1.4%	1.2%	66.7%
<i>Eriophyllum confertiflorum</i>	golden yarrow	0.6%	1.0%	1.6%	1.1%	33.3%
<i>Frangula californica</i> subsp. <i>californica</i>	California coffeeberry	0.0%	0.0%	--	0.0%	0.0%
<i>Mimulus aurantiacus</i>	sticky monkey flower	0.0%	0.0%	--	--	0.0%
<i>Ericameria ericoides</i>	dune-heather, mock-heather	0.0%	0.0%	--	--	0.0%
<i>Baccharis pilularis</i> subsp. <i>consanguinea</i>	coyote brush	0.1%	0.2%	0.4%	0.3%	33.3%
<i>Lepechinia calycina</i>	pitcher sage	0.9%	0.8%	1.4%	1.8%	66.7%
<i>Ericameria fasciculata</i>	Eastwood's ericameria	0.0%	0.0%	--	--	0.0%
<i>Lupinus chamissonis</i>	silver bush lupine	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Acmispon glaber</i>	deerweed	5.3%	2.5%	4.3%	10.8%	100%
<i>Garrya elliptica</i>	coast silk-tassel	0.0%	0.0%	--	--	0.0%
<i>Symphoricarpos mollis</i>	creeping snowberry	0.0%	0.0%	--	--	0.0%
<i>Toxicodendron diversilobum</i>	poison-oak	0.1%	0.1%	0.2%	0.1%	33.3%
Total Mean Percent Shrub and Subshrub Cover		43.2%			94.0%	
Total Combined Mean Cover Between Shrubs and Subshrubs		2.7%	0.6%	1.0%	--	100%
Target Weed Total ( <i>Carpobrotus edulis</i> )		3.3%	4.8%	8.2%	6.7%	66.7%
Total Mean Percent Native Vegetative Cover		46.0%				
Total Mean Percent Bare Ground (Including Masticated Vegetation)		19.3%				
Total Mean Percent Masticated Vegetation (calculated in 2014 only)		--				
Total Mean Percent Bare Ground		19.3%	10.6%	17.8%	--	100%

Note: Not all species observed along the transects list

Table 6-10  
Interim Action Range MRA - Range 47 Subarea C  
Vegetation Cover in Areas Subject to Vegetation Cutting Conducted in 2011

ESCA RP 2014 Annual Natural Resource Report

Scientific Name	Common Name	Three transects with Vegetation Cutting Conducted in 2011				
		Post-activity Data 2013 (Year 2)				
		Mean Percent Cover	Standard Deviation	90% Confidence Interval	Mean Relative Cover	Frequency
Tree Species						
<i>Quercus agrifolia</i>	coast live oak	0.0%	0.1%	0.1%	0.1%	14.3%
Total Mean Percent Native Tree Cover		0.0%			0.1%	
Shrub and Sub-Shrub Species						
<i>Arctostaphylos tomentosa</i> subsp. <i>tomentosa</i>	shaggy-barked manzanita	36.9%	8.7%	14.7%	34.5%	100%
<i>Ceanothus rigidus</i>	Monterey ceanothus	2.1%	1.3%	2.3%	1.9%	100.0%
<i>Ceanothus dentatus</i>	dwarf ceanothus	0.3%	0.6%	1.0%	0.3%	33.3%
<i>Adenostoma fasciculatum</i>	chamise	10.5%	2.6%	4.4%	9.8%	100%
<i>Crocanthemum scoparium</i>	rush-rose	0.5%	0.4%	0.7%	0.5%	100.0%
<i>Salvia mellifera</i>	black sage	2.9%	5.0%	8.4%	2.7%	33.3%
<i>Arctostaphylos pumila</i>	sandmat manzanita	2.6%	3.1%	5.2%	2.4%	66.7%
<i>Eriophyllum confertiflorum</i>	golden yarrow	0.2%	0.3%	0.4%	0.1%	33.3%
<i>Frangula californica</i> subsp. <i>californica</i>	California coffeeberry	0.0%	0.0%	--	--	0.0%
<i>Mimulus aurantiacus</i>	sticky monkey flower	0.0%	0.0%	--	--	0.0%
<i>Ericameria ericoides</i>	dune-heather, mock-heather	0.0%	0.0%	--	--	0.0%
<i>Baccharis pilularis</i> subsp. <i>consanguinea</i>	coyote brush	0.0%	0.0%	--	--	0.0%
<i>Lepechinia calycina</i>	pitcher sage	0.2%	0.4%	0.7%	0.2%	33.3%
<i>Ericameria fasciculata</i>	Eastwood's ericameria	0.0%	0.0%	--	--	0.0%
<i>Lupinus chamissonis</i>	silver bush lupine	0.0%	0.0%	--	--	0.0%
<i>Acmispon glaber</i>	deerweed	10.5%	9.0%	15.1%	9.8%	100%
<i>Garrya elliptica</i>	coast silk-tassel	0.0%	0.0%	--	--	0.0%
<i>Symphoricarpos mollis</i>	creeping snowberry	0.0%	0.0%	--	--	0.0%
<i>Toxicodendron diversilobum</i>	poison-oak	0.5%	0.8%	1.3%	0.4%	33.3%
Total Mean Percent Shrub and Subshrub Cover		67.2%			95.9%	
Total Combined Mean Cover Between Shrubs and Subshrubs		2.9%	5.14%	3.8%	--	71.4%
Target Weed Total ( <i>Carpobrotus edulis</i> )		0.5%	0.45%	0.3%	1.6%	71.4%
Total Mean Percent Native Vegetative Cover		70.1%				
Total Mean Percent Bare Ground (Including Masticated Vegetation)		19.3%				
Total Mean Percent Masticated Vegetation (calculated in 2014 only)		--				
Total Mean Percent Bare Ground		19.3%	9.24%	6.8%	--	100%

Note: Not all species observed along the transects list

Table 6-10  
Interim Action Range MRA - Range 47 Subarea C  
Vegetation Cover in Areas Subject to Vegetation Cutting Conducted in 2011

ESCA RP 2014 Annual Natural Resource Report

Scientific Name	Common Name	Three transects with Vegetation Cutting Conducted in 2011				
		Post-activity Data 2014 (Year 3)				
		Mean Percent Cover	Standard Deviation	90% Confidence Interval	Mean Relative Cover	Frequency
Tree Species						
<i>Quercus agrifolia</i>	coast live oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Native Tree Cover		0.0%			0.0%	
Shrub and Sub-Shrub Species						
<i>Arctostaphylos tomentosa</i> subsp. <i>tomentosa</i>	shaggy-barked manzanita	38.9%	12.2%	20.6%	53.8%	100%
<i>Ceanothus rigidus</i>	Monterey ceanothus	1.4%	0.2%	0.3%	1.9%	100.0%
<i>Ceanothus dentatus</i>	dwarf ceanothus	0.4%	0.6%	1.0%	0.5%	66.7%
<i>Adenostoma fasciculatum</i>	chamise	10.2%	4.2%	7.1%	14.1%	100%
<i>Crocanthemum scoparium</i>	rush-rose	0.2%	0.2%	0.4%	0.3%	100.0%
<i>Salvia mellifera</i>	black sage	3.5%	6.1%	10.2%	4.8%	33.3%
<i>Arctostaphylos pumila</i>	sandmat manzanita	2.6%	3.9%	6.6%	3.6%	66.7%
<i>Eriophyllum confertiflorum</i>	golden yarrow	0.0%	0.0%	--	0.0%	0.0%
<i>Frangula californica</i> subsp. <i>californica</i>	California coffeeberry	0.0%	0.0%	--	--	0.0%
<i>Mimulus aurantiacus</i>	sticky monkey flower	0.0%	0.0%	0.1%	0.0%	33.3%
<i>Ericameria ericoides</i>	dune-heather, mock-heather	0.0%	--	--	0.0%	0.0%
<i>Baccharis pilularis</i> subsp. <i>consanguinea</i>	coyote brush	0.0%	0.0%	--	0.0%	0.0%
<i>Lepechinia calycina</i>	pitcher sage	0.0%	0.0%	--	--	0.0%
<i>Ericameria fasciculata</i>	Eastwood's ericameria	0.0%	0.0%	--	--	0.0%
<i>Lupinus chamissonis</i>	silver bush lupine	0.0%	0.0%	--	--	0.0%
<i>Acmispon glaber</i>	deerweed	5.5%	5.9%	10.0%	7.6%	100%
<i>Garrya elliptica</i>	coast silk-tassel	0.0%	0.0%	--	--	0.0%
<i>Symphoricarpos mollis</i>	creeping snowberry	0.0%	0.0%	--	--	0.0%
<i>Toxicodendron diversilobum</i>	poison-oak	0.0%	0.0%	--	--	0.0%
Total Mean Percent Shrub and Subshrub Cover		62.7%			98.4%	
Total Combined Mean Cover Between Shrubs and Subshrubs		1.0%	1.69%	2.8%	1.4%	66.7%
Target Weed Total ( <i>Carpobrotus edulis</i> )		8.6%	14.90%	25.1%	11.9%	33.3%
Total Mean Percent Native Vegetative Cover		63.7%				
Total Mean Percent Bare Ground (Including Masticated Vegetation)		35.3%				
Total Mean Percent Masticated Vegetation (calculated in 2014 only)		16.0%	7.89%	13.3%	22.1%	100%
Total Mean Percent Bare Ground		19.3%	8.24%	13.9%	21.5%	100%

Note: Not all species observed along the transects list