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Landscape Unit:

Vaca Mountains West

Defined Area Size:

5,845 Acres, 2,365 Hectares

Conservation Lands Network Category:

Areas Essential to the Conservation Goals: 4,505 acres

Converted Lands:

Cultivated acres: 65

Rural residential acres: 34

Conservation Suitability:

160 (Highly Suitable for Conservation) [more info](#)

Protected Land Within Selected Area:

16 acres

Nitrogen Deposition:

5.31 Kg/H/Yr (Medium)

Climate Index Averages:

Winter (Dec, Jan, Feb) minimum - 3.7-4.6 deg. C

Summer (June, July, Aug) maximum - 27.5-31.0 deg. C

Annual Precipitation - 1248 mm/year

Cloud Cover - 19% of days Jul to Sept 2000-2006, cover at 10:30am

Elevation (derived from a 10m DEM):

Range = 355 - 1,224 meters Mean = 686 meters

% Slope (derived from a 10m DEM):

Range = 0 - 171 %

Mean = 33 %

CONSERVATION TARGETS

Coarse Filter Vegetation Targets:

VEGETATION TYPE CONSERVATION TARGET	RARITY RANK	SELECTED AREA			LANDSCAPE UNIT	
		TOTAL ACREAGE	PROTECTED ACREAGE	ACREAGE TOWARD LANDSCAPE UNIT GOAL	LANDSCAPE UNIT GOAL	ACREAGE TO MEET GOALS
Douglas Fir Forest - Vaca Mountains West	1	375	0	375	3,516	2,585
Serpentine Conifer - Vaca Mountains West	1	127	1	126	1,211	962
Serpentine Leather-Oak Chaparral - Vaca Mountains West	1	10	0	10	3,429	2,603
Serpentine Knobcone - Vaca Mountains West	1	3	0	3	18	7
Serpentine Hardwoods - Vaca Mountains West	1	0	0	0	2,145	1,780
Ponderosa Pine Forest (Non-Maritime) - Vaca Mountains West	2	1,885	3	1,882	5,597	4,278
Knobcone Pine Forest - Vaca Mountains West	2	619	0	619	1,435	566
Chamise Chaparral - Vaca Mountains West	2	466	2	464	3,498	1,301
Blue Oak- Foothill Pine Woodland - Vaca Mountains West	2	254	0	254	2,771	2,174
Mixed Conifer-Pine - Vaca Mountains West	2	192	0	192	164	142
Canyon Live Oak Forest - Vaca Mountains West	2	131	0	131	580	274
Barren/Rock - Vaca Mountains West	2	106	0	106	315	253
Mixed Chaparral - Vaca Mountains West	2	77	0	77	3,541	1,755
Mixed Montane Chaparral - Vaca Mountains West	3	803	0	803	10,391	3,855
Montane Hardwoods - Vaca Mountains West	3	432	0	432	27,180	17,526
Warm Grasslands - Vaca Mountains West	3	171	0	171	4,673	3,873
Hot Grasslands - Vaca Mountains West	3	36	0	36	7,717	5,165
Blue Oak Forest / Woodland - Vaca Mountains West	3	20	0	20	5,253	3,444
Cultivated - Vaca Mountains West	4	99	0	99	0	-
Rural Residential - Vaca Mountains West	4	20	0	20	0	-

Exhibit 3: Conservation Lands Network Report

THE CONSERVATION LANDS NETWORK Biodiversity Portfolio Report



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VEGETATION TYPE CONSERVATION TARGET	RARITY RANK	SELECTED AREA			LANDSCAPE UNIT	
		TOTAL ACREAGE	PROTECTED ACREAGE	ACREAGE TOWARD LANDSCAPE UNIT GOAL	LANDSCAPE UNIT GOAL	ACREAGE TO MEET GOALS
Water - Vaca Mountains West	4	6	0	6	0	-
		5,832	6	5,826		

Fine Filter Targets:

CONSERVATION TARGET - POINTS	RARITY RANK	SELECTED AREA			LANDSCAPE UNIT	
		TOTAL AMOUNT	PROTECTED AMOUNT	AMOUNT TOWARD LANDSCAPE UNIT GOAL	LANDSCAPE UNIT GOAL	AMOUNT TO MEET GOALS
Rincon Ridge ceanothus - Vaca Mountains West (<i>Ceanothus confusus</i>)	2	4	0	4	4	4
Colusa layia - Vaca Mountains West (<i>Layia septentrionalis</i>)	2	3	0	3	4	4
Cobb Mountain lupine - Vaca Mountains West (<i>Lupinus sericatus</i>)	2	2	0	2	7	2
Mt. Saint Helena morning-glory - Vaca Mountains West (<i>Calystegia collina ssp. oxyphylla</i>)	2	2	0	2	3	2
Morrison's jewel-flower - Vaca Mountains West (<i>Streptanthus morrisonii</i>)	2	1	0	1	1	1
Northern Spotted Owl Areas - Vaca Mountains West (<i>Strix occidentalis caurina</i>)	2	1	0	1	5	3
Santa Lucia dwarf rush - Vaca Mountains West (<i>Juncus luciensis</i>)	2	1	0	1	1	1
Pond - Vaca Mountains West	3	5	0	5	252	208
		19	0	19		

CONSERVATION TARGET - AREAS	RARITY RANK	SELECTED AREA			LANDSCAPE UNIT	
		TOTAL ACREAGE	PROTECTED ACREAGE	ACREAGE TOWARD LANDSCAPE UNIT GOAL	LANDSCAPE UNIT GOAL	ACREAGE TO MEET GOALS
woolly meadowfoam - Vaca Mountains West (<i>Limnanthes floccosa ssp. floccosa</i>)	1	21	0	21	16	16
Morrison's jewel-flower - Vaca Mountains West (<i>Streptanthus morrisonii</i>)	1	2	0	2	29	29
Sonoma beardtongue - Vaca Mountains West (<i>Penstemon newberryi var. sonomensis</i>)	1	1	0	1	255	-
		24	0	24		

Stream Conservation Targets:

2.0 km of Priority 2 Stream

12.10 km of Priority 3 Stream

STREAM NAME	PRIORITY	REGION	WATERSHED	DRAINS	LENGTH	FISH SPECIES*
	2	Berryessa	Pope Creek	San Francisco Bay	1.9 km	foothill yellow legged frog

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STREAM NAME	PRIORITY	REGION	WATERSHED	DRAINS	LENGTH	FISH SPECIES*
James Creek	2	Berryessa	Pope Creek	San Francisco Bay	0.1 km	foothill yellow legged frog

* Some non-fish species listed

* (A) = anadromous, (R) = resident, (A,R) = both (LL) = land locked

Bay Area Critical Linkages

The Bay Area Critical Linkages project, working with regional scientists to incorporate the habitat and movement needs of over 60 species, has developed critical linkage designs for several priority landscape linkages associated with the San Francisco Bay Area and San Benito, Monterey, Mendocino and Lake Counties. The Critical Linkages are an extension of the Conservation Lands Network focused specifically on habitat corridors. Decision makers can use both the Critical Linkages and the CLN to help them identify important conservation areas.

Critical Linkages:

Coast Range to Blue Ridge: 4,316 acres

This linkage, crossing Mendocino, Sonoma and Napa Counties, connects the Coast Range to the Blue Ridge area.

Blue Ridge to Marin Coast: 4,128 acres

This linkage, in the North San Francisco Bay region, connects the Marin Coast Range to the Blue Ridge area.

Species Benefiting From This Linkage:

Badger
 Mountain Lion
 Bobcat
 Black-tailed Deer
 Black bear

Suitable Habitat for Species:

Birds

Acorn Woodpecker, Burrowing Owl, California Quail, Hutton's Vireo, Loggerhead Shrike, Northern Harrier, Northern Spotted Owl, Pileated Woodpecker, Warbling Vireo, White-Tailed Kite, Wrentit, Yellow Warbler

Herps

Alameda Whipsnake, California Giant Salamander, California Kingsnake, California Red-Legged Frog, San Joaquin Coachwhip, Western Pond Turtle, Western Toad, Yellow-Legged Frog

Invertebrates

Bay Checkerspot

Mammals

American Badger, Black Bear, Black-Tailed Deer, Bobcat, Brush Rabbit, California Kangaroo Rat, Dusky-footed Woodrat, Long-eared Myotis, Mountain Lion (Puma), Pallid Bat, Red Tree Vole, Ringtail, Sonoma Chipmunk, Tule Elk, Western Gray Squirrel

Plants

Blue Oak, Brittle Leaf Manzanita, Buckbrush, California Foothill Pine, California Sagebrush, Coastal Redwood, Dutchman's pipe, Hoary Manzanita, Long-tailed Wild Ginger, Napa False Indigo, Pitcher Sage, Purple Needlegrass, Redwood Sorrel, Valley Oak, Wild Hyacinth



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Linkage Highway Barriers Within Selected Area:

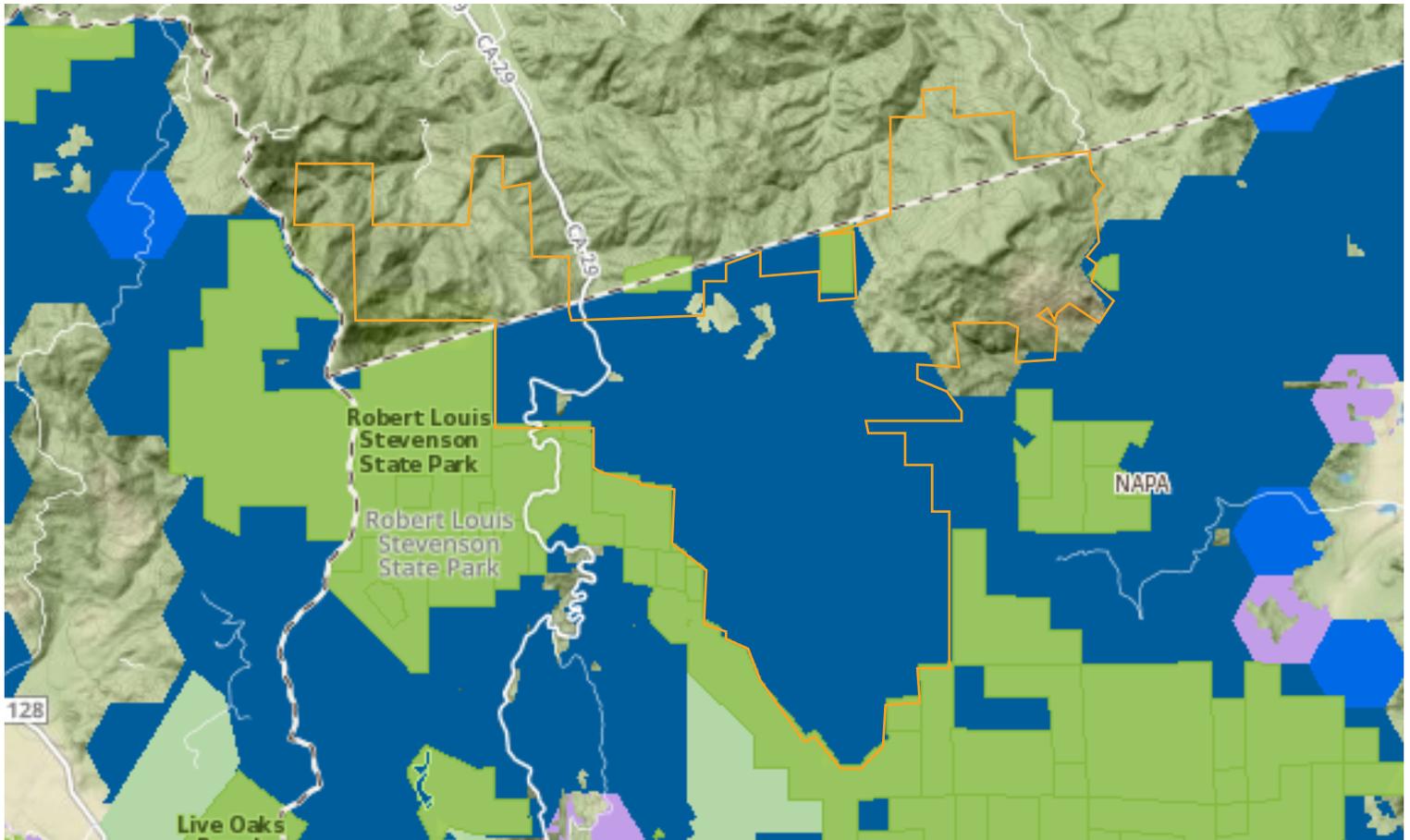
Linkage Highway Crossing - State Highway 29

Important Note

Users of the Conservation Lands Network Explorer are strongly encouraged to verify the information provided in this report with site visits and biological surveys.



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Conservation Lands Network

Areas chosen 0-10 times not displayed

-  Areas Essential to Conservation Goals
Planning units chosen 16 or more times out of 20 runs
-  Areas Important to Conservation Goals
Planning units chosen 11-15 times out of 20 runs
-  Portion of the CLN that is Fragmented
-  Areas for Further Consideration (AFC)

Protected Lands

-  Open to the public
-  Permit required
-  Lake, pond or tidal