

Exhibit 4: Conservation Lands Network Analysis



THE CONSERVATION LANDS NETWORK
Biodiversity Portfolio Report

This is the Biodiversity Portfolio Report for the area that you defined. The following information is intended to give you a better understanding of the biodiversity values of the specified area and how it contributes to the regional biodiversity goals. Click on blue titles for more information about that category.

Landscape Unit:

Mt. Diablo Range

Defined Area Size:

558 Acres, 225 Hectares

Conservation Lands Network Category:

Areas Essential to the Conservation Goals: 566 acres

Conservation Suitability:

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

Protected Land Within Selected Area:

46 acres

Nitrogen Deposition:

5.67 Kg/H/Yr (Medium)

Climate Index Averages:

January Min Temp - - deg. C

July Max Temp - 30-31 deg. C

Annual Precipitation - 600-604 mm/year

Cloud Cover - 21% of days Jul to Sept 2000-2006, cover at 10:30am

Elevation (derived from a 10m DEM):

Range = 352 - 636 meters Mean = 519 meters

% Slope (derived from a 10m DEM):

Range = 0 - 78 % 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
Semi-Desert Scrub / Desert Scrub - Mt. Diablo Range	2	206	14	192	734	-
Mixed Montane Chaparral - Mt. Diablo Range	2	125	22	103	1,468	-
Blue Oak- Foothill Pine Woodland - Mt. Diablo Range	2	37	0	37	877	37
Interior Live Oak Forest / Woodland - Mt. Diablo Range	2	2	2	0	1,779	-
Warm Grasslands - Mt. Diablo Range	3	76	0	76	43,114	19,387
Hot Grasslands - Mt. Diablo Range	3	68	2	66	26,285	8,129
Blue Oak Forest / Woodland - Mt. Diablo Range	3	39	0	39	11,994	-
		553	40	513		

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
Pond - Mt. Diablo Range	3	2	1	1	361	165
		2	1	1		

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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
Contra Costa manzanita - Mt. Diablo Range (<i>Arctostaphylos manzanita ssp. laevigata</i>)	1	39	39	0	306	-
Mt. Diablo manzanita - Mt. Diablo Range (<i>Arctostaphylos auriculata</i>)	1	39	39	0	447	-
		78	78	0		

Stream Conservation Targets:

1.2 km of Priority 2 Stream
0.00 km of Priority 3 Stream

STREAM NAME	PRIORITY	REGION	WATERSHED	DRAINS	LENGTH	FISH SPECIES*
Marsh Creek	2	Alameda / Contra Costa to SF Bay	North Diablo Range	San Francisco Bay	1.2 km	No Data Available

* Some non-fish species listed
* (A) = anadromous, (R) = resident, (A,R) = both (LL) = land locked

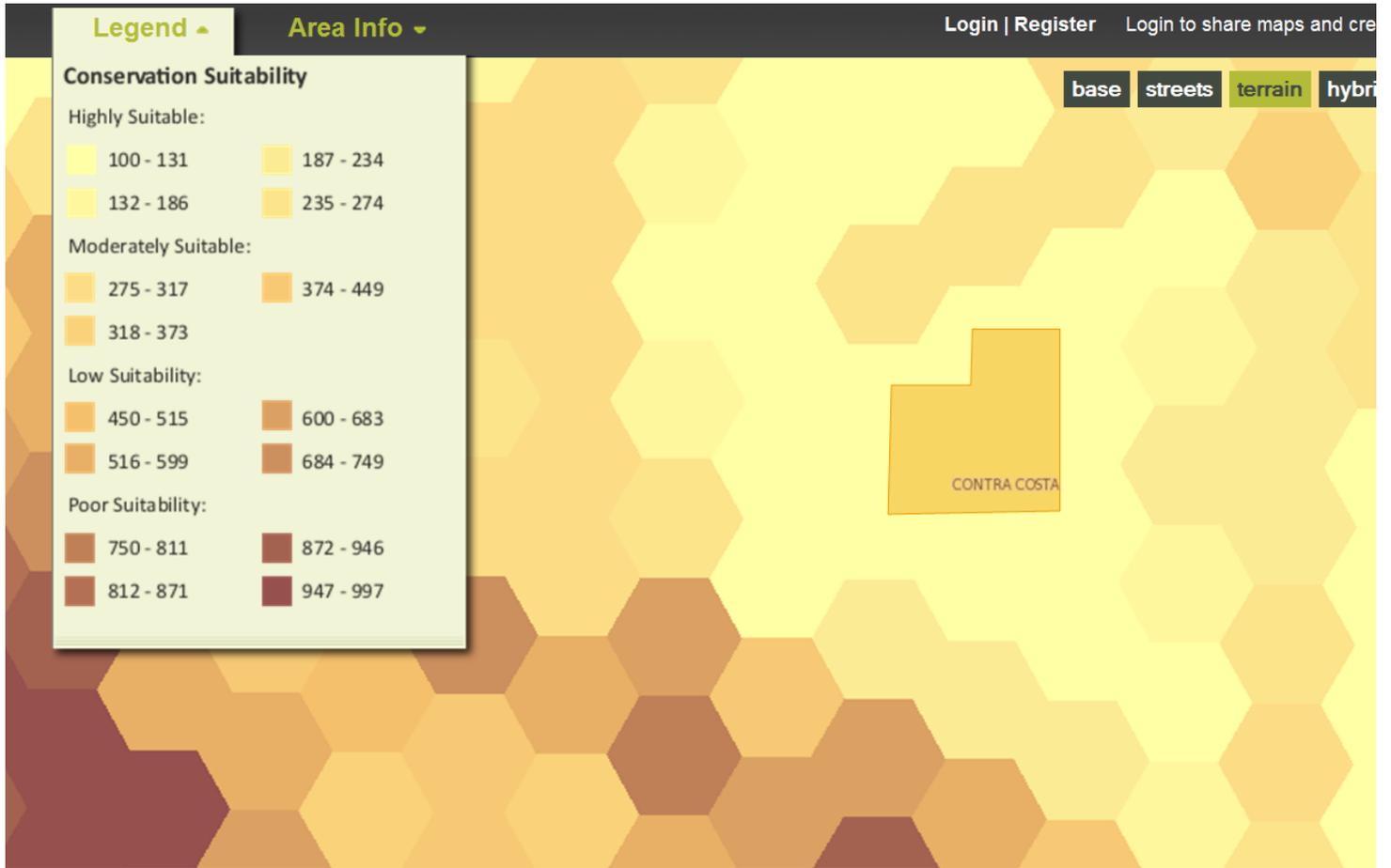
Critical Linkages, Bay Area and Beyond

Detailed information on linkages will be available in this report in 2011. See <http://bayarealands.org/next-steps/linkages.php> for more information on the project.

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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As described in the accompanying analysis, Bertagnolli Ranch is highly suitable for conservation.