

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:

Mount Hamilton

Defined Area Size:

1,931 Acres, 781 Hectares

Conservation Lands Network Category:

Areas Essential to the Conservation Goals: 1,891 acres

Fragmented Area: 82 Acres of the CLN is Fragmented

Areas for Further Consideration: [more info](#)

UTC Tiger Salamander

Converted Lands:

Rural residential acres: 8

Urban acres: 1

Conservation Suitability:

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

Protected Land Within Selected Area:

113 acres

Nitrogen Deposition:

6.37 Kg/H/Yr (High)

Climate Index Averages:

Winter (Dec, Jan, Feb) minimum - 4.4-5.4 deg. C

Summer (June, July, Aug) maximum - 26.2-28.8 deg. C

Annual Precipitation - 559 mm/year

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

Elevation (derived from a 10m DEM):

Range = 107 - 430 meters Mean = 299 meters

% Slope (derived from a 10m DEM):

Range = 0 - 87 % Mean = 24 %

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
Serpentine Grassland - Mount Hamilton	1	1,375	76	1,299	6,357	4,459
Serpentine Hardwoods - Mount Hamilton	1	87	2	85	3,980	2,482
Serpentine Leather-Oak Chaparral - Mount Hamilton	1	21	2	19	2,700	2,392
Valley Oak Forest / Woodland - Mount Hamilton	1	0	0	0	2,687	1,294
Semi-Desert Scrub / Desert Scrub - Mount Hamilton	2	2	0	2	18,490	7,355
Warm Grasslands - Mount Hamilton	3	312	8	304	69,129	29,227
Coast Live Oak Forest / Woodland - Mount Hamilton	3	61	0	61	45,561	8,510
Montane Hardwoods - Mount Hamilton	3	38	0	38	23,736	2,728
Blue Oak Forest / Woodland - Mount Hamilton	3	19	0	19	43,411	7,731
Chamise Chaparral - Mount Hamilton	3	0	0	0	16,808	2,787
Rural Residential - Mount Hamilton	4	5	3	2	0	-
Urban - Mount Hamilton	4	1	1	0	0	-
		1,921	92	1,829		

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
fragrant fritillary - Mount Hamilton (<i>Fritillaria liliacea</i>)	2	3	0	3	2	2
Pond - Mount Hamilton	3	6	0	6	941	483
		9	0	9		



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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
Metcalf Canyon jewel-flower - Mount Hamilton (<i>Streptanthus albidus</i> ssp. <i>albidus</i>)	1	585	0	585	712	593
Santa Clara Valley dudleya - Mount Hamilton (<i>Dudleya setchellii</i>)	1	109	14	95	620	362
Mt. Hamilton fountain thistle - Mount Hamilton (<i>Cirsium fontinale</i> var. <i>campylon</i>)	1	57	0	57	303	195
most beautiful jewel-flower - Mount Hamilton (<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>)	1	8	0	8	206	19
Loma Prieta hoita - Mount Hamilton (<i>Hoita strobilina</i>)	1	0	0	0	0	-
		759	14	745		

Stream Conservation Targets:

0.0 km of Priority 2 Stream

3.60 km of Priority 3 Stream

STREAM NAME	PRIORITY	REGION	WATERSHED	DRAINS	LENGTH	FISH SPECIES*
San Felipe Creek	2	Coyote Creek Watershed	Coyote Creek	San Francisco Bay	0.0 km	California roach, sacramento sucker, rainbow trout (LL), riffle sculpin

* 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:

Santa Cruz Mtns to Diablo Range: 1,617 acres

This linkage, in Santa Clara County, connects the Santa Cruz Mountains to the South Diablo Range.

Santa Cruz Mtns to Gabilan Range: 435 acres

This linkage, running north/south, connects the Santa Cruz Mountains to the Gabilan Range and Pinnacles National Monument.

Large Landscape Blocks:

South Diablo Range

Species Benefiting From This Linkage:

California Quail
Badger
Mountain Lion
Black-tailed Deer



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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 Kingsnake, California Red-Legged Frog, California Tiger Salamander, Coast Horned Lizard, San Joaquin Coachwhip, Western Pond Turtle, Western Toad, Yellow-Legged Frog

Invertebrates

Bay Checkerspot, Myrtle's Silverspot

Mammals

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

Plants

Blue Oak, Brittle Leaf Manzanita, Buckbrush, California Foothill Pine, Dutchman's pipe, Pitcher Sage, Purple Needlegrass, Valley Oak, Wild Hyacinth

Heermann's Kangaroo Rat, San Joaquin Kit Fox

Nearest Linkage Highway Barrier:

Linkage Highway Crossing - US Highway 101: 0.5 km

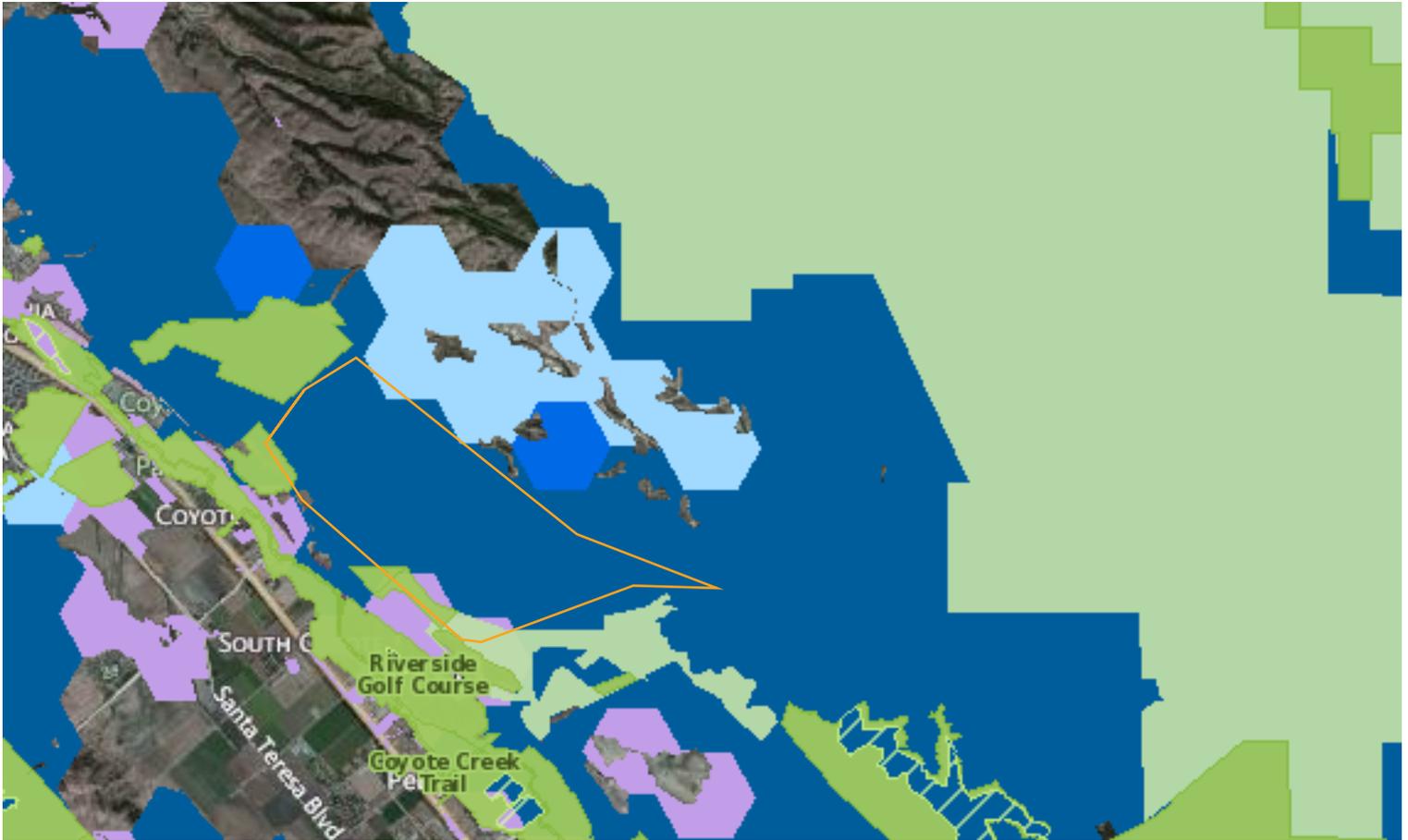
Important Note

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