Santa Cruz Tarplant, *Holocarpha macradenia*

East Bay Hills introduced population 1982-2015

Spreadsheet footnote information compiled by W. Legard, N. Brownfield and M. Hammond:

**\*Footnotes:**

1 EO# = California Natural Diversity Data Base element occurrence number. EBRPD = East Bay Regional Park District. EBMUD = East Bay Municipal Utility District. See 1999(or earlier table) for grazing level at time of introduction.

2 Per a letter from Neil Havlik, EBRPD on March 9, 1987, an unspecified quantity of seed that had been salvaged from the Hilltop Commons development on Sept. 13, 1987, was added to Stands #2, 11, 12, 15, 16.

3 Per the above letter, this site burned in Aug. 1985; Havlik noted that this increase was in response to the fire.

4 Extent of main population measured (long axis along contour), with outliers uphill. Seed collected in July 1997 for a canceled experiment was resown in Nov. 1997 by Olson and Hickson between main population and furthest outlier. Length/width measurements in 1998 and 1999 are for main population only. Site #6 area was 60X78'.

5 'several thousand' has been defined as 1500, the number of the last actual count.

6 Site #6 area was 90X61.

7 Site #6 area was 86X65'.

8 Site #6 Perimeter GPS'd.

9 Site #2: Robust plants. Site #6: Perimeter GPS'd.

**Footnote Sources:**

Havlik, N. 1989. Final report of the Santa Cruz tarweed local preservation project;

field survey forms, B. Olson, 1990;

Field survey forms, D. Lake, 1991, 1992;

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Field notes, J. Dunne, D. Hickson, A. Howald, D. Lake, 1995;

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Field notes, N. Brownfield, D. Hickson, B. Olson, J. Dunne (#21, 22). 1997:

Field notes, S. Bainbridge, N. Brownfield, R. Budzinski, J. Dunne, G. Hayes, D. Hickson, D. Hillyard, B. Olson. 1998;

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Field notes, S. Bainbridge, A. Barber, N. Brownfield, G. Cooley, D. Hickson, W. Legard, Aug. 25, 2000;

Field notes, D. Lake, 2001;

Field notes, S. Bainbridge, N. Brownfield, M. Gogol-Prokurat, D. Hickson, W. Legard, V. Lum, D. Strait, Aug. 7, 2002. ;

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N. Brownfield, A Theile, W. Legard 2004;

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Field notes, N. Brownfield, A. Theile, W. Legard. 2007;

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Field notes, N. Brownfield, A. Theile, W. Legard. 2009;

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2011-2013 W. Legard

2014 not surveyed

2015 M. Hammond