

Biographical Sketch - Stuart B. Weiss (15 June 2007)

Creekside Center for Earth Observation
27 Bishop Lane, Menlo Park, CA 94025 USA
tel: 650-854-9732, fax: 650-644-3355
e-mail: stu@creeksidescience.com
<http://www.creeksidescience.com>

Experience

1999–present **Chief Scientist, CEO**, Creekside Center for Earth Observation: ecology and conservation biology, scientific consulting
2002–2004 **Research Assistant Professor**, Bren School of Environmental Science and Management, University of California at Santa Barbara
1996–1999 **Postdoctoral Fellow**, Center for Conservation Biology, Stanford University
1984–1992 **Staff Biologist**, Center for Conservation Biology, Stanford University

Education

1992–96 **Stanford University, Ph.D.** in Biological Sciences 1996; dissertation: "Weather, Landscape Structure and the Population Ecology of a Threatened Butterfly, *Euphydryas editha bayensis*"
1978–82 **Stanford University, B.S.** in Biological Sciences 1982 with honors

Selected Publications

Weiss, S.B., and A. Bytnerowicz. 2007. Local population extinction of a threatened checkerspot butterfly driven by vehicular ammonia emissions. *Ecology and Society*. In review.
Van de Ven, C., **S.B. Weiss**, and W.G. Ernst. 2007. Plant species distributions under present conditions and forecasted for warmer climates in an arid mountain range. *Earth Interactions* 11:1-33. In Press.
Weiss, S.B., D.C. Luth, and B. Guerra. 2003. Potential solar radiation in a VSP trellis at 38°N latitude. *Practical Winery and Vineyard* 25:16-27.
Weiss, S.B. 2000. Vertical and temporal patterns of insolation in an old-growth forest. *Canadian Journal of Forest Research* 30:1953-1964
Weiss, S.B. 1999. Cars, cows, and checkerspot butterflies: nitrogen deposition and grassland management for a threatened species. *Conservation Biology* 13:1476-1486
Weiss, S.B., P.M. Rich, D.D. Murphy, W.H. Calvert, and P.R. Ehrlich. 1991. Forest canopy structure at overwintering monarch butterfly sites: measurements with hemispherical photography. *Conservation Biology* 5:165-175.
Weiss, S.B., D.D. Murphy, and R.R. White. 1988. Sun, slope, and butterflies: topographic determinants of habitat quality for *Euphydryas editha bayensis*. *Ecology* 69:1486-1496.

Selected Professional Skills

- **Ecology and Conservation Biology:** ecophysiology, population biology
- **Conservation Management:** planning, adaptive management
- **Microclimate:** solar radiation, topoclimate, impacts of climate change
- **Statistics:** univariate and multivariate, geostatistics