

In This Issue

[GreenInfo SCGIS Awards >>](#)

[Lake Winnepesaukee >>](#)

[Cal-Adapt >>](#)

[Santa Cruz Blueprint >>](#)

[Redwood Watch App >>](#)

[Cool Links >>](#)

[Esri User Conference 2011 >>](#)

[Geek Corner >>](#)

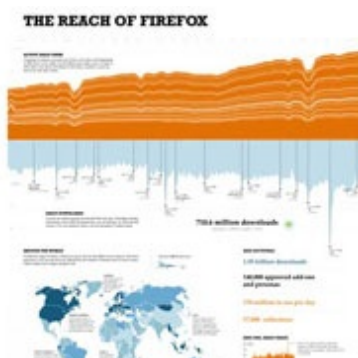
[Laugh Lines >>](#)



Cool Links

[GeoJunk](#) is a great map, data and science blog, and, despite the unfortunate name, [ChartPorn](#), has great examples of graphs, illustrations, and maps.

[FlowingData.com](#) is an outstanding resource for great thinking and demonstrations about turning data into compelling information. They have a new book out [Visualize This](#) which explains the technique of one of their key people, Nathan Yau.

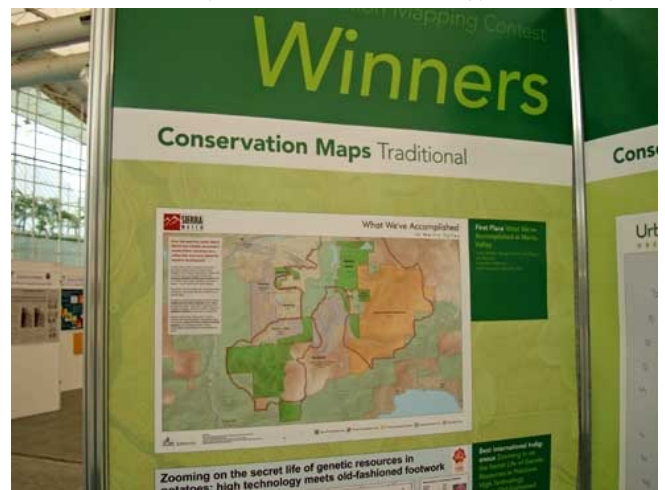


It's been hot out there the last month or so! Check out NOAA's [Environmental Visualization Lab](#) and this depiction of the last weeks of temperatures, plus see dewpoints, aka humidity... (you might want to put on a fan before you watch!)

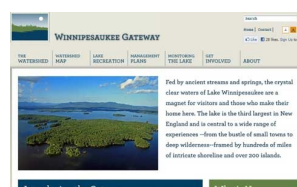
Summer brings some staff shifts at GreenInfo. Welcome to web developers Greg Allensworth and Robert Graham who joined the GreenInfo staff in June and will work with Interactive Solutions Team Manager Jennifer Strahan to keep on producing amazing web mapping applications! And a fond farewell to Rhonda Friberg, who moved on to working with OpenGeo in July after four great years here, and Zach Erbe, who did the web development on our award-winning Lakes Region site (see below). Finally, Tim Sinnott, formerly the GIS manager in San Francisco, is now the manager of our New England regional office in Vermont, where he and his wife just moved - Tim will work on many of his longstanding projects and develop new opportunities for GreenInfo in the New England/New York area (if you've got ideas, feel free to email him: [tim \(at\) greeninfo.org](mailto:tim@greeninfo.org)).

GreenInfo Maps & Projects Receive Awards!

A GreenInfo map done for the advocacy group [Sierra Watch](#) won a first prize in "traditional" cartography in a first-ever competition sponsored by [ESRI](#) (publisher of ArcGIS software), the [Society for Conservation GIS](#) and the [Society for Conservation Biology](#). Created by GreenInfo's Larry Orman and Alexandra Barnish, the map shows conservation accomplishments in the Martis Valley near Lake Tahoe. Former staffer and now board member Dick Cameron of the Nature Conservancy won second prize in Science category, followed by third for the Conservation Network map by GreenInfo's Maegan Leslie Torres and former staffer Ryan Branciforte with help from board member and frequent volunteer Louis Jaffe. See all winners [here](#).



Lake Winnepesaukee Watershed Portal Gets Award



The New Hampshire chapter of the American Planning Association gave its main award to the Lakes Region Planning Commission for the web portal that GreenInfo, in collaboration with Applied Geographics, built for them earlier in 2011. Good work by Larry Orman, Zach Erbe,



The BBC has an amazing web site, [The Beauty of Maps](#) - old and new, all gracefully presented.



Esri User Conference, 2011

The Esri User Conf. attracts 15,000 ArcGIS users to San Diego every July - you can watch a [plenary video](#) of where everything ESRI is going. Nerd alert - for a great, snarky set of FAQs, check [James Fee's](#) take on it all.

Geek Corner

GreenInfo's Tim Sinnott, is currently working on two projects involving [Google Fusion tables](#). Fusion tables is an online data management application that lets users store, query, publish and visualize data tables. These tables can then be showcased as a Google Maps layer.

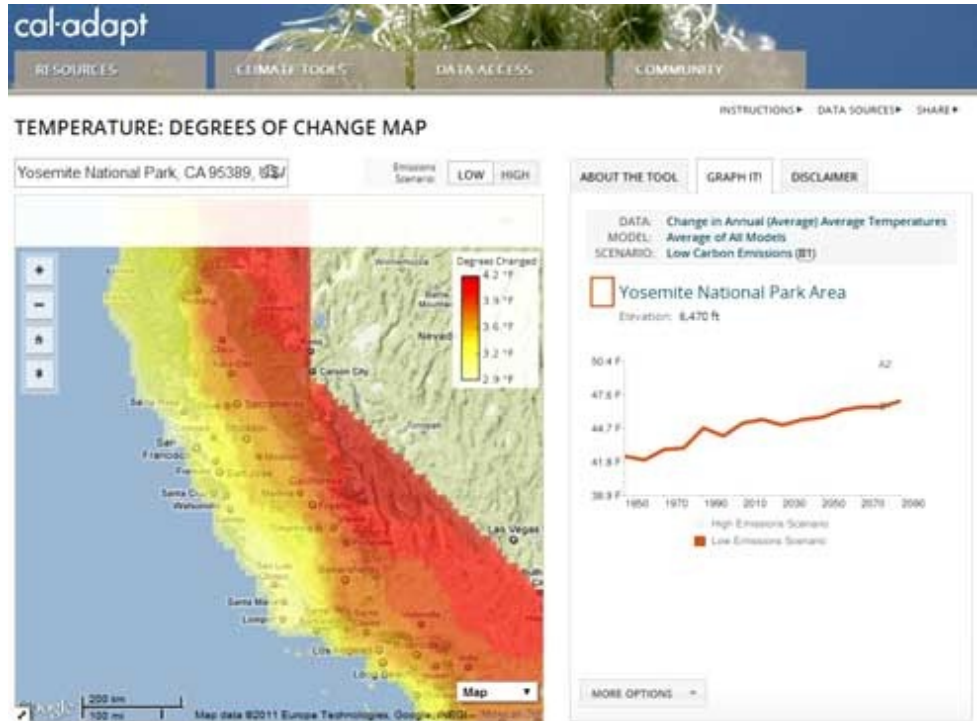


Google Code Labs shares a lot of good information for the user community on creating tables, querying data, and integrating



Maegan Leslie Torres and Ison Designs! Check out the [Winnepesaukee Gateway](#).

Explore Climate Change Risks throughout California



A cutting edge data exploration tool, [Cal-adapt.org](#) provides access to a wealth of California climate change information, thanks to funding from the [CA Public Interest Energy Research \(PIER\) Program](#). Developed by UC Berkeley's [Geospatial Information Facility \(GIF\)](#) for scientists, planners, technicians, and the general public, the site allows visitors to examine potential climate change risks throughout the state. The beautifully-designed interactive website features maps, charts, video, data downloads and more on climate projections for local areas, and patterns of temperature, snow pack, precipitation, sea level rise, and more! Read further about the [site features](#) or to directly to Cal-Adapt to visualize climate change!

Santa Cruz Conservation Blueprint Maps

The Santa Cruz County Land Trust published in May a major new plan for conserving that region's natural resources. Learn more at their web site, and you can browse the great [maps](#) created for the project, by GreenInfo's Stephanie Ding and Alexandra Barnish – plus you can order a free summary (beautifully designed, with lots of GreenInfo's maps).

fusions tables with [Google Maps](#). Tim's using the Google Maps API to embed a Fusion Tables Layer within his web application; refer to [these resources](#) to do the same.

Laugh Lines



Map Lines Archive:

www.greeninfo.org/archive

GreenInfo Sites:

www.greeninfo.org

www.mapsportal.org

www.parkinfo.org

www.landtrustgis.org

www.calands.org

www.protectedlands.net

Got great tips for us to put in Map Lines? Send 'em.

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Habitat Connectivity

The Conservation Lands Network includes public and private lands, including ranch and timber lands where biological conservation values are protected. The CLN would include 177,000 acres of land, 80,000 acres of which is already protected and 10,000 acres of which is within the priority multi-benefit areas. A large portion of the currently unprotected land is within working ranches and forests, which can be managed to protect many of the conservation values while remaining productive. The Blueprint sets the following targets for protection based on four categories: globally or locally rare or highly significant, 80%; locally uncommon, 71%; locally common 50%; locally abundant, 33%. See chart on facing page.

Habitat Connectivity

The long-term viability of wide-ranging species like the mountain lion requires linkages between large natural patches of habitat both within the Santa Cruz Mountains and between the Santa Cruz Mountains and the neighboring Diablo and Gabilan ranges. The Blueprint finds that 10% of the county's habitat has already been fragmented by development, agriculture, and mining. It also notes that rural development in the hills and mountains creates barriers to wildlife movement, including fencing, roads, and the presence of people and dogs. The Blueprint identifies potential linkages between these mountain ranges and recommends detailed steps for making our region's landscape accessible for wildlife.

Climate Change

By the end of the century the average annual temperature in California is predicted to increase by up to 8 degrees and sea levels may rise by more than 4.5 feet. Santa Cruz County will be hotter and drier, putting still more strain on already overburdened water supplies for people, animals and plants.

The Blueprint recommends a series of strategies to increase the ability of natural systems to function in the face of climate change. The protection of a diverse range of lands can help plants and animals adapt by serving as climate change refuges. Particular attention should be paid to wetlands and north-facing slopes, as well as areas where elevation change provides opportunities for species movement to cooler microclimates.

Highlights from A Conservation Blueprint 12

Redwood Watch iPhone App

Help Save the Redwoods League scientists monitor how climate change will impact redwood forests by tracking where redwoods grow today and will likely survive in the

future. Use your iPhone to take photos of redwood trees you find and upload them online to the [Redwood Watch](#) application powered by iNaturalist. Over time, these location based photos will help scientists study the health of redwoods in their current conditions and predict how to care

for these trees as the climate changes. Learn more about Redwood Watch and community participation opportunities from [NBC Bay Area](#).

Happy mapping from the GreenInfo Team!

Larry Orman, Amanda Recinos, Tim Sinnott, Jennifer Strahan, Alex Barnish, John Kelly, Stephanie Ding, Maegan Leslie Torres, Robert Graham, Greg Allensworth and Aubrey Dugger



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