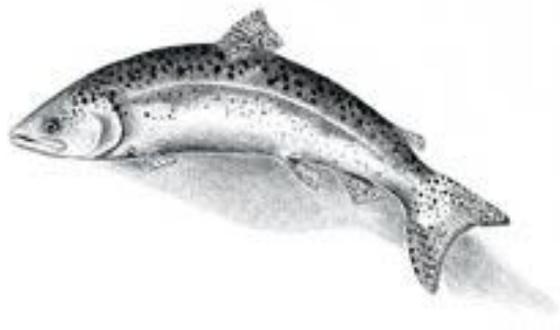




California State Parks & South Coast Habitat Restoration

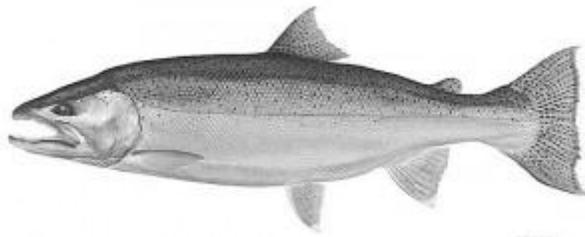
Site Handbook





Watershed Stewards Project Mission

The mission of the AmeriCorps Watershed Stewards Project is to conserve, restore, and enhance anadromous watersheds for future generations by linking education with high quality scientific practices.



Steelhead Trout



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Introduction

Site Description

Site Address South Coast Habitat Restoration
4915 Carpinteria Avenue, Suite C
Carpinteria, Ca, 93013

California State Parks
911 San Pedro Street
Ventura, Ca, 93001

Agency Affiliation Welcome to South Coast Habitat Restoration/California State Parks, one of the most southern WSP sites. At South Coast Habitat Restoration's office in Carpinteria, members will assist with implementing and monitoring on-the ground watershed restoration projects. Restoration projects will primarily be barrier removal projects aimed at improving conditions and upstream migration for the endangered southern steelhead. At the California State Parks office in Ventura, members will assist with non-native vegetation mapping and removal efforts, as well as estuary and riparian restoration projects. Additional attendance at local meetings, community outreach and educational events may be desired.

General Ecology Santa Barbara is located on the "South Coast", the longest east-west trending section of coastline on the West Coast of the United States. The city lies between the steeply-rising Santa Ynez Mountains and the Pacific Ocean. Ventura is roughly 20 miles southeast of Santa Barbara. The Ventura River Watershed is a much larger watershed than the Santa Barbara coastal drainages. It reaches back into the Los Padres National Forest above Ojai, covering 227 square miles. Santa Barbara/Ventura's climate is often described as Mediterranean, and is sometimes referred to as the "American Riviera." The average rainfall is around 15 inches. The weather is much like other coastal parts of southern California. Warm and sunny year round with brief periods of rain from November – April and often foggy mornings known as "June Gloom" in the early summer months.

As of the census of 2010, Santa Barbara had a population of 88,410, while the contiguous urban area, which includes the surrounding cities of Goleta, Carpinteria, and unincorporated areas of Isla Vista, Montecito. Ventura had a population of 104,000 in the 2010 census. In addition to being popular tourist and resort destinations both cities' economy includes a large service sector, education, technology, health care, finance, agriculture, manufacturing, and local government. Education in particular is well-represented, with over 7 institutions of higher learning on the south coast (the University of California, Santa Barbara, Santa Barbara City College, Cal State Channel Islands, Ventura College, Westmont College, Antioch University, and the Brooks Institute of Photography). Behind the populated coastline, in and beyond the Santa Ynez Mountains, is the Los Padres National Forest, which contains several thousand acres of remote wilderness areas. The terrain is often represented by Chaparral and Coastal Sage Scrub habitat with areas of Oak Woodlands and Riparian forests along creeks and streams. The Santa Ynez Valley is a great wine growing region home to numerous local wineries. To the South into the Pacific are the Channel Islands. Many of the islands are owned by the National Park Service and are open to day-use visitors and over night campers. It's a great base camp for numerous outdoor activities. The nexus of the mountain and the ocean offers a great number of recreation activities (surfing, kayaking, hiking, backpacking, mountain biking, road cycling, sailing, fishing, scuba diving, etc...)



Mentor Bios

Mauricio Gomez

Mauricio is the Director of South Coast Habitat Restoration. He has been working on local habitat restoration projects for the past ten years in the Santa Barbara and Ventura region. He enjoys managing restoration projects which build partnerships amongst diverse groups and teaching people the value of restoring the environment. Mauricio is a Southern California native and has been living in the Santa Barbara area for the past 15 years. He moved to Santa Barbara to study at UCSB and earned a Bachelor of Science in Aquatic Biology. Prior to being the Director of South Coast Habitat Restoration, Mauricio managed the Watershed Restoration Program of the Community Environmental Council, worked at UCSB as a staff researcher with the restoration ecology group, and the Marine Science Institute. In his free time, Mauricio enjoys spending time outdoors hiking, running and playing with his wife, son and dog.

Erin Brown

Erin has been the Project Manager for South Coast Habitat Restoration for two years, managing and monitoring a variety of habitat restoration projects in the region. She is an alumni of WSP, serving in year 11 at the CDFG office in Yreka, California. Erin is a graduate of the Bren School of Environmental Science and Management at UCSB, where her Master's degree specialized in Water Resource Management and Conservation Planning. She is a California native originally from the San Francisco Bay Area. She received her undergraduate degree from the University of California at Davis in Biology with an emphasis in Evolution and Ecology, and a minor in Landscape Restoration. Erin has participated in a variety of biological field work and natural resource monitoring efforts including: life cycle monitoring of salmon populations in the Klamath watershed, monitoring and mapping of populations of threatened and endangered plants outside Sacramento. Prior to graduate school she worked at the Point Reyes National Seashore participating in salmonid monitoring, water quality monitoring, wetland restoration and monitoring efforts. In her free time Erin enjoys traveling, hiking, cooking, and spending time at the beach with her boyfriend and her dog.

Nathaniel Cox

Nat is the Senior Environmental Scientist for California State Parks in the Channel Coast District. He oversees the environmental program including environmental review, natural resource management, and cultural resource management functions for 12 individual park units ranging from Point Sal State Beach in Northern Santa Barbara County and Mandalay State Beach in Ventura County. Nat is originally from Oregon but grew up in the San Francisco Bay Area. He relocated to Southern California to attend UCLA where he graduated in 1997 with a Bachelor of Science in Biology with a concentration on Evolution, Behavior, and Ecology. He has 13 years of experience in the design and implementation of small and large scale habitat restoration projects ranging from invasive plant removal, native revegetation, stream barrier analysis and removal, and wetland restoration. In his free time, Nat enjoys fly fishing, hiking, music and gardening.

General Calendar of Duties at Santa Barbara

Month	Location	Site Duties	Work Load	Typical Work Hours
<i>examples:</i>	<i>field, office, classroom</i>	<i>spawner surveys, habitat typing, seed collection, planting, educating</i>	<i>busy, moderate, heavy</i>	<i>Days of week and hours per day: ex: M-F 8-4:30</i>
Fall				
October	Field	Implementation of fish passage restoration projects. Including project monitoring, installation of erosion control measures and native re-vegetation	<i>moderate,</i>	M-F 830-5pm



		efforts. 1-2 days a week for training and planning of education and ISP projects		
November	Field	Same as above, Plus Patagonia Salmon Run	<i>moderate,</i>	M-F 830-5pm, + a Sunday for Salmon Run
Winter				
December	Field	Project implementation, re-vegetation/restoration efforts, potential redd surveys	<i>moderate,</i>	M-F 830-5pm
January	Field/Office/Classroom	Start Education and ISP Finish re-vegetation efforts, start site maintenance/non-native removal, redd surveys	<i>moderate,</i>	M-F 830-5pm
February	Field/Office/Classroom	Start Education and ISP site maintenance/non-native removal, redd surveys	<i>moderate,</i>	M-F 830-5pm
Spring				
March	Field/Office/Classroom	Education and ISP, site maintenance/non-native removal, redd surveys	<i>moderate,</i>	M-F 830-5pm
April	Field/Office/Classroom	Education and ISP, site maintenance/non-native removal, redd surveys Earth Day events!	<i>moderate,</i>	M-F 830-5pm, some Saturday or Sunday work in coordination with Earth Day Events
May	Field/Office/Classroom	Education and ISP, site maintenance/non-native removal and vegetation mapping. Annual vegetation surveys	<i>moderate,</i>	M-F 830-5pm
Summer				
June	Field/Office	site maintenance/non-native removal and vegetation mapping. Annual Vegetation Surveys	<i>moderate,</i>	M-F 830-5pm
July	Field/Office	site maintenance/non-native removal and vegetation mapping	<i>moderate,</i>	M-F 830-5pm
August	Field/Office	site maintenance/non-native removal and vegetation mapping	<i>moderate,</i>	M-F 830-5pm



Description of Site Duties

SCHR Fish Passage Restoration

In the fall SCHR will have multiple habitat restoration projects taking place. Members may be asked to help with different parts of project implementation including biological monitoring, photo monitoring, seed collection, native vegetation planting, willow staking, seeding and installation of erosion control measures. During the winter and spring members will be asked to help with ongoing maintenance and monitoring activities associated with the projects, including watering of plants, weeding of non-natives, photo monitoring and project effectiveness monitoring.

California State Parks Riparian Restoration

There are a number of ongoing restoration projects throughout the Channel Coast District of California State Parks. Work locations include Gaviota State Park, El Capitan State Beach, Refugio State Beach, Emma Wood State Beach, and McGrath State Beach and their associated watersheds. The site duties will involve project site maintenance and monitoring, including vegetation mapping and non-native removal efforts. Additional opportunities exist to assist with seed collection, plant propagation, native plant installation, and monitoring of sensitive species in riparian and estuarine habitats.

Out reach and Educational Events

Occasionally throughout the year members will be asked to participate in local educational events through tabling with educational information. These may include the Patagonia Salmon Run, the Santa Barbara Earth Day festival, The Ventura Earth Day and the Ojai Earth Day Festival, The Salmonid Restoration Federation Conference, and the Carpinteria Creek Watershed Coalition's annual member BBQ.



ISPs and Outreach Events

ISP Information

Each member is required to complete an Individual Service Project (ISP). ISPs involve recruiting at least 15 volunteers from the community to participate in a community outreach or restoration event. There are multiple ISP options depending on what the individual member's interest are. Potential Ideas:

Volunteer Habitat Restoration Events

- Carpinteria Salt Marsh Restoration
- Non-native vegetation removal at Carpinteria Creek Mouth or Refugio Creek Mouth

Planning a Volunteer Cleanup Day

- Carpinteria Creek
- a section of the Ventura River
- Local Beaches

Planning a Community Outreach Event

- Santa Barbara Steelhead Festival

We are a new site, although SCHR co-mentored members last year. SCHR was heavily involved in last year's members ISP at the Carpinteria 8th Street Bridge. We can help develop/suggest partnerships with local cities and agencies to help members in selecting a project.

Suggestions would be to start planning early and coordinate with your co-mentors at California State Parks and SCHR for help with local community connections to plan the event and recruit volunteers.

Outreach Information

SCHR has an email list of over 400 people that can be used to promote your event. Additionally there are multiple local meetings that will provide a forum to promote your event including the Tri-county fish team, the Santa Barbara SCWRP task force meetings, the Carpinteria Creek Watershed Coalition.

Santa Barbara has multiple opportunities for connecting with local volunteers. Potential partners: City of Carpinteria, City of Ventura, City of Santa Barbara, County Ag Commissioner's Office, Cachuma RCD, ChannelKeeper, Ojai Valley Land Conservancy, Ventura Hillside Conservancy, Ventura River Watershed Council, Audubon, Channel Islands Restoration, Ventura RCD, and many more.

Calendar of Outreach Events for Site / Community (Optional)

*Patagonia
Salmon Run
November*

Usually takes place the first Sunday in November, is a small 5K that brings together local environmental groups as well as community members for a family-friendly event that tries to promote environmental awareness. Each year the profits from the run benefit a local environmental group. SCHR tables with information about the southern steelhead, local watershed issues as well as info on the work that they do.

*Earth Day
April*

There are a variety of local Earth Day events. Downtown Santa Barbara hosts a large 2-day festival. Ventura and Ojai also host single-day events.



Education

Education Notes

There are multiple opportunities to partner up with local schools to fulfill your education requirements. There are also local watershed education programs that members can partner with to reach out to for contacts and resources.

The Cate School - Carpinteria

- Science Teacher - *Joshua Caditz*, (805) 684-8409 x136

Carpinteria Middle School

- *Susan Anderson*, (805) 684-4107 x 262

Once Upon a Watershed Program – various schools in Ojai

- *Erin Marnocha*, (805) 315-4830

Site / Region Specific Education Resources

Watershed Resource Center – Santa Barbara

- *Lindsay Johnson* (805) 884-0459 x16 education@artfromscrap.org

City of Carpinteria, Environmental coordinator

- *Erin Maker*, 805-684-5405

SB Project Clean Water

- *Fray Crease*, 805-568-3546

Once Upon a Watershed <http://onceuponawatershed.org/>



Local Ecology

Descriptions of Local Ecology

Ventura is roughly 20 miles southeast of Santa Barbara. The Ventura River Watershed is a much larger watershed than the Santa Barbara coastal drainages. It reaches back into the Los Padres National Forest above Ojai, covering 227 square miles. Santa Barbara/Ventura's climate is often described as Mediterranean, and the city is sometimes referred to as the "American Riviera." The average rainfall is around 15 inches. The weather is much like other coastal parts of southern California. Warm and sunny year-round with brief periods of rain from November – April and often foggy mornings known as "June Gloom" in the early summer months. Behind the coastline, in and beyond the Santa Ynez Mountains, is the Los Padres National Forest, which contains several thousand acres of remote wilderness areas. The terrain is often represented by Chaparral and Coastal Sage Scrub habitat with areas of Oak Woodlands and Riparian forests along creeks and streams. The Santa Ynez Valley is a great wine-growing region home to numerous local wineries. Along the foothills to the mountains cattle ranching, citrus orchards and avocado orchards dominate the landscape.



Housing and Local Resources

Housing Contact List

Housing may be more expensive in Santa Barbara and Ventura than some of the more remote WSP sites. To rent a bedroom in a house can run anywhere from \$500 to \$800. Because of the large number of local colleges there is rapid turnover in the rental market and members should have no problem finding housing. Shared rooms are somewhat common and can greatly reduce the cost of rent.

Craigslist

One off the best resources for available housing. <http://santabarbara.craigslist.org/>

Property Managers

Wolfe and Associates <http://www.rlwa.com/>

Meridian Group: <http://www.meridiangrouprem.com/>

Real Property Management: <http://www.santabarbarapropertymanagement.com/>

Cochrane Property Management: <http://www.cochranepm.com/>

Seascope Realty: <http://www.carpinteriarealestateinc.com/>

Other:

University listings

Local paper

Talk to your mentors and co-mentors

Local Resource Contacts

Santa Barbara County Social Services

http://www.countyofsb.org/social_services/default_rt.aspx?id=15068&id2=15480

Santa Barbara Library

<http://www.sbplibrary.org/>

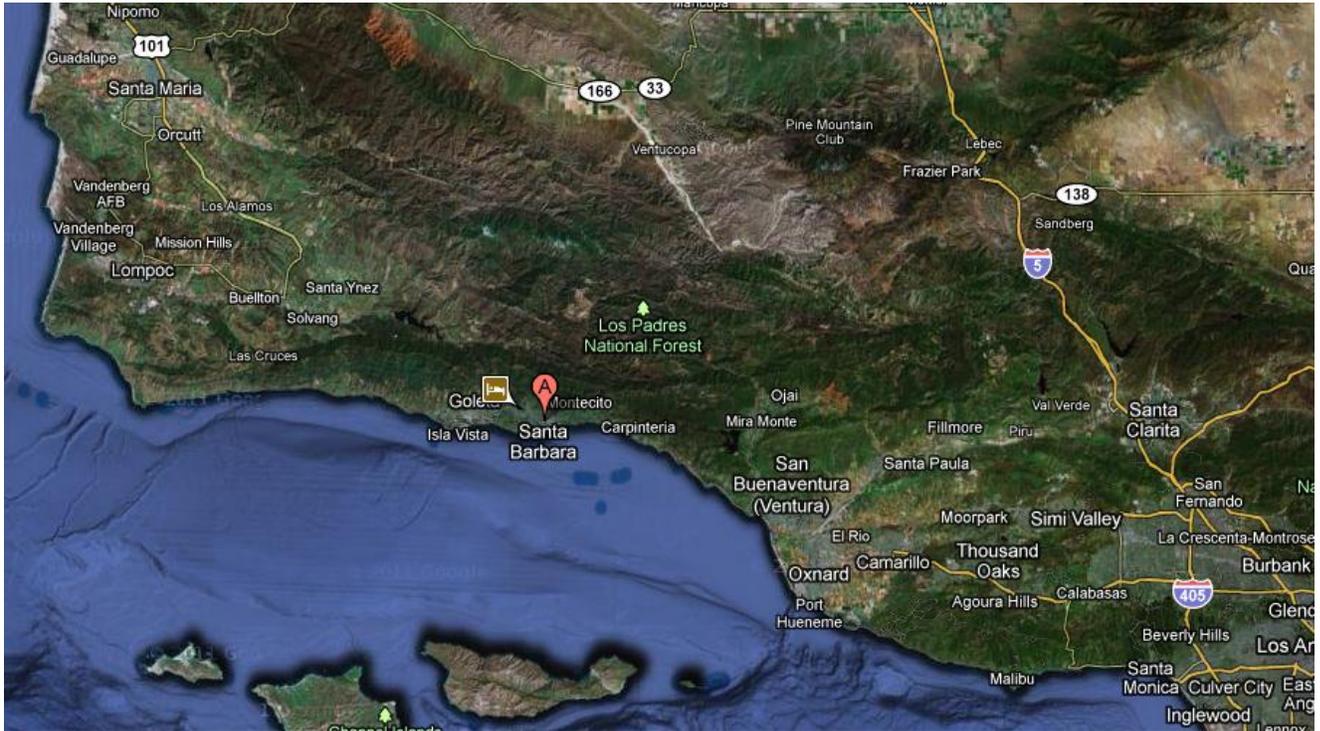
Santa Barbara Farmers Markets

<http://www.sbfarmersmarket.org/>



Community Information

Map of Area



Community Demographics

Santa Barbara:

The census of 2010 recorded 88,410 people in the city proper, a loss of 1,190 from the previous census, making it the second largest city in the county after Santa Maria. The racial makeup of the city was 74.0% White, 1.8% African American, 1.1% Native American, 2.8% Asian, 0.1% Pacific Islander, 16.4% from other races, and 3.9% from two or more races. People of Hispanic or Latino background, of any race, were 35.0% of the population. There were 35,605 households out of which 24.3% had children under the age of 18 living with them, 39.8% were married couples living together, 9.5% had a female householder with no husband present, and 46.8% were non-families. 32.9% of all households were made up of individuals and 11.4% had someone living alone who was 65 years of age or older. The average household size was 2.47 and the average family size was 3.17.

In the city, the population was spread out, with 19.8% under the age of 18, 13.8% from 18 to 24, 32.3% from 25 to 44, 20.4% from 45 to 64, and 13.8% who were 65 years of age or older. The median age was 35 years. For every 100 females there were 97.0 males. For every 100 females age 18 and over, there were 95.0 males. The median income for a household in the city was \$47,498, and the median income for a family was \$57,880. Males had a median income of \$37,116 versus \$31,911 for females. The per capita income for the city was \$26,466. About 7.7% of families and 13.4% of the population were below the poverty line, including 16.8% of those under age 18 and 7.4% of those age 65 or over. If one compares the per capita income to the actual cost of living, the number of people living below the poverty line is considerably higher.

Carpinteria:

As of the census of 2000, there were 14,194 persons, 4,989 households, and 3,332 families residing in the city. The population density was 5,250.8 people per square mile. The racial makeup of the city was 73.40% White, 0.59% African American, 0.99% Native American, 2.38% Asian,



0.18% Pacific Islander, 18.09% from other races, and 4.37% from two or more races. Hispanic or Latino of any race were 43.50% of the population. There were 4,989 households out of which 33.3% had children under the age of 18 living with them, 51.6% were married couples living together, 10.5% had a female householder with no husband present, and 33.2% were non-families. 25.5% of all households were made up of individuals and 10.5% had someone living alone who was 65 years of age or older. The average household size was 2.82 and the average family size was 3.38.

In the city the population was spread out with 25.6% under the age of 18, 9.2% from 18 to 24, 30.7% from 25 to 44, 22.1% from 45 to 64, and 12.4% who were 65 years of age or older. The median age was 36 years. For every 100 females there were 100.8 males. For every 100 females age 18 and over, there were 97.8 males. The median income for a household in the city was \$47,729, and the median income for a family was \$54,849. Males had a median income of \$35,679 versus \$30,736 for females. The per capita income for the city was \$21,563. About 7.1% of families and 10.4% of the population were below the poverty line, including 12.5% of those under age 18 and 7.7% of those ages 65 or over.

Ventura:

The 2010 United States Census reported that Ventura had a population of 106,433. The population density was 3,316.2 people per square mile (1,280.4/km²). The racial makeup of Ventura was 76.6% White, 1.6% African American, 1.2% Native American, 3.4% Asian (0.9% Filipino, 0.6% Chinese, 0.4% Indian, 0.4% Korean, 0.4% Japanese, 0.3% Vietnamese, 0.5% Other), 0.2% Pacific Islander, 5.2% from two or more races. Hispanic or Latino of any race were 31.8% of the population.

There were 40,438 households, out of which 13,014 (32.2%) had children under the age of 18 living in them, 18,907 (46.8%) were opposite-sex married couples living together, 4,936 (12.2%) had a female householder with no husband present, 2,153 (5.3%) had a male householder with no wife present. There were 2,621 (6.5%) unmarried opposite-sex partnerships, and 371 (0.9%) same-sex married couples or partnerships. 10,959 households (27.1%) were made up of individuals and 4,271 (10.6%) had someone living alone who was 65 years of age or older. The average household size was 2.57. There were 25,996 families (64.3% of all households); the average family size was 3.14. The population was spread out with 23,918 people (22.5%) under the age of 18, 9,581 people (9.0%) aged 18 to 24, 28,814 people (27.1%) aged 25 to 44, 29,957 people (28.1%) aged 45 to 64, and 14,163 people (13.3%) who were 65 years of age or older. The median age was 39.0 years. For every 100 females there were 97.7 males. For every 100 females age 18 and over, there were 95.6 males.

Community Service

The Red Cross - <http://www.sbredcross.org/>
DAWG – <http://www.sbdawg.org/>
YMCA - http://www.ciyymca.org/santa_barbara/index.html
Life Chronicles – <http://lifechronicles.org/>
Santa Barbara Food Bank - <http://www.foodbanksbc.org/>
Habitat For Humanity - <http://www.sbhabitat.org/>



Entertainment and Community Events

Resources for Affordable Entertainment Options

Soho – small reasonable concert venue

Santa Barbara City leagues, volleyball, basketball, softball, soccer, kickball & more

The great outdoors!

West Wind Drive-In, Goleta drive in movie \$6, always a double feature.

First Thursdays – one galleries on the first Thursday of each month with food and wine tastings.

Sunken Gardens: Free Movies in the Park

Recurring Event List

Santa Barbara Farmers Markets (awesome year-round farmers market) – Downtown SB Tuesday and Saturday, Thursday in Carpinteria, Friday in Montecito, and Sunday in Goleta.

Carpinteria Avocado Festival

Chalk Art Festival – Memorial Day weekend at the Santa Barbara Mission

Summer Solstice Festival – each June big week long festival and parade

Night Moves- Ever Wednesday from May-September 5K run and 1K swim race from Ledbetter beach. \$20 race entrance fee includes dinner and unlimited beer

Zoo Brew – brewery tasting at the Santa Barbara Zoo usually June



Helpful Hints

Santa Barbara, Carpinteria, and Ventura are great cities with lots to do and see. Make the most of your time off.

Sign up for food stamps early; the process takes some time.
Be prepared for field work. Proper gear and layers makes a difference.
Ask your mentors if you need anything.

Attachments

Contact Lists

Supervisor

Mauricio Gomez
SCHR Director
805-729-8787

Mentors

Erin Brown
SCHR Project Manager
925-548-2659

Nat Cox
California State Parks
805-648-8194

Ed Logs & Information

ISP Logs & Information

Outreach Summaries & Information

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Site Forms