



Watershed Stewards Project

DFG Santa Barbara Handbook
Service Year 18 – 2011/12

California

Department of

Fish & Game

Santa Barbara

Site Handbook

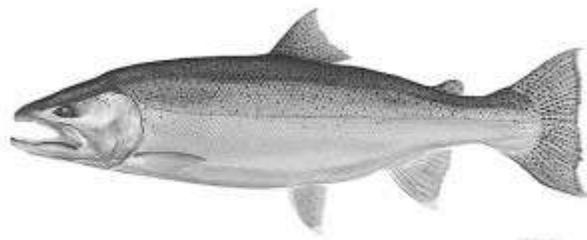


<Placement Site Address and Phone Numbers>



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 California Department of Fish and Game, Santa Barbara
1933 Cliff Drive, Suite 9
Santa Barbara, Ca 93109

Agency Affiliation Welcome to the Santa Barbara DFG, one of the most southern WSP sites. At the California Department of Fish and Game office in Santa Barbara, members will assist in monitoring endangered southern steelhead trout populations primarily through participating in spawning ground surveys. These surveys will primarily be coordinated by DFG staff. In addition to monitoring work the WSP members will assist the co mentoring site, South Coast Habitat Restoration and the California Conservation Corps with implementing and monitoring on the ground watershed 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. Santa Barbara'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.

As of the census of 2010, the city 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, Summerland and others has an approximate current population of 220,000. The population of the entire county in 2010 was 423,895. In addition to being a popular tourist and resort destination, the city economy includes a large service sector, education, technology, health care, finance, agriculture, manufacturing, and local government. Education in particular is well-represented, with five institutions of higher learning on the south coast (the University of California, Santa Barbara, Santa Barbara City College, Westmont College, Antioch University, and the Brooks Institute of Photography). Behind the city, 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...)



General Calendar of Duties at Santa Barbara

Month	Location (Field/Office/Classroom)	Site Duties	Work Load (Moderate, Busy, Light)	Typical Work Hours 10 hour days – 4 days/wk (M-Th 7:00-5:30) 8 hour days – 5 days/wk (M-F 8:00-4:30)
Fall				
October	Field and Office	Implementation of fish passage restoration projects. Including project monitoring, installation of erosion control measures and native re-vegetation efforts. 1-2 days a week for training and planning of education and ISP projects	Busy	8 hour days – 5 days/wk (M-F 8:00-4:30)
November	Field and Office	See above + Patagonia Salmon Run	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30) + a Sunday for Salmon Run
Winter				
December	Field and Office	Spawning ground surveys through out Santa Barbara and Ventura Counties streams. 1 day a week project site maintenance (weeding and watering of plants). 1 day a week planning and implementing of education and ISP projects	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30) May be some longer days depending on field work
January	Field and Office	See above	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30)
February	Field and Office	See above	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30)
Spring				
March	Field and Office	See above	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30)
April	Field and Office	Spawning surveys may be winding down as winter flows start to recede. On going project maintenance (weeding and watering). Earth Day events!	Moderate	8 hour days – 5 days/wk (M-F 8:00-4:30) + Saturday and Sunday of Earthday
May	Field and Office	On going project site	Light	8 hour days –



		maintenance. Great time to have ISP event and/or class room education.		5 days/wk (M-F 8:00-4:30)
Summer				
June	Field and Office	See above, may start summer habitat and snorkel surveys	Light	Flexible
July	Field and Office	See above	Moderate	Flexible
August	Field and Office	On going project site maintenance. Great time to have ISP event and/or class room education. Summer habitat and snorkel surveys	Moderate	Flexible



Description of Site Duties

*Fish Passage
Restoration*

In the Fall SCHR and the CCC office will have multiple habitat restoration projects taking place. Members may be asked to help with different parts of project implementation including photo monitoring, 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.

*Spawner
Surveys*

Spawner surveys typically take places anywhere from December to April. They involve the hiking of rivers and creeks looking for live and dead adult steelhead as well as the nest that they make when they spawn known as a redd. These surveys are fun and exciting, often taking you to places that you would otherwise never have the opportunity to hike to.

*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 13 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 the Carpinteria Creek Mouth

Planning a Volunteer Clean Up Day

-Carpinteria Creek

-Local Beaches

Planning a Community Outreach Event

-Santa Barbara Steelhead Festival

Santa Barbara is a new site so no previous ISP examples. Suggestions would be to start planning early and coordinate with you co-mentors at CCC 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 Santa Barbara, County Ag Commissioner's Office, Cachuma RCD, Santa Barbara ChannelKeeper, Audubon, Channel Islands Restoration, 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

- *David White (805) 390-0747*

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*



Local Ecology

Descriptions of Local 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. Santa Barbara’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 city, 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 than some of the more remote WSP sites. To rent a bedroom in a house can run anywhere from \$600 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 of 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 Service

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

Santa Barbara Library

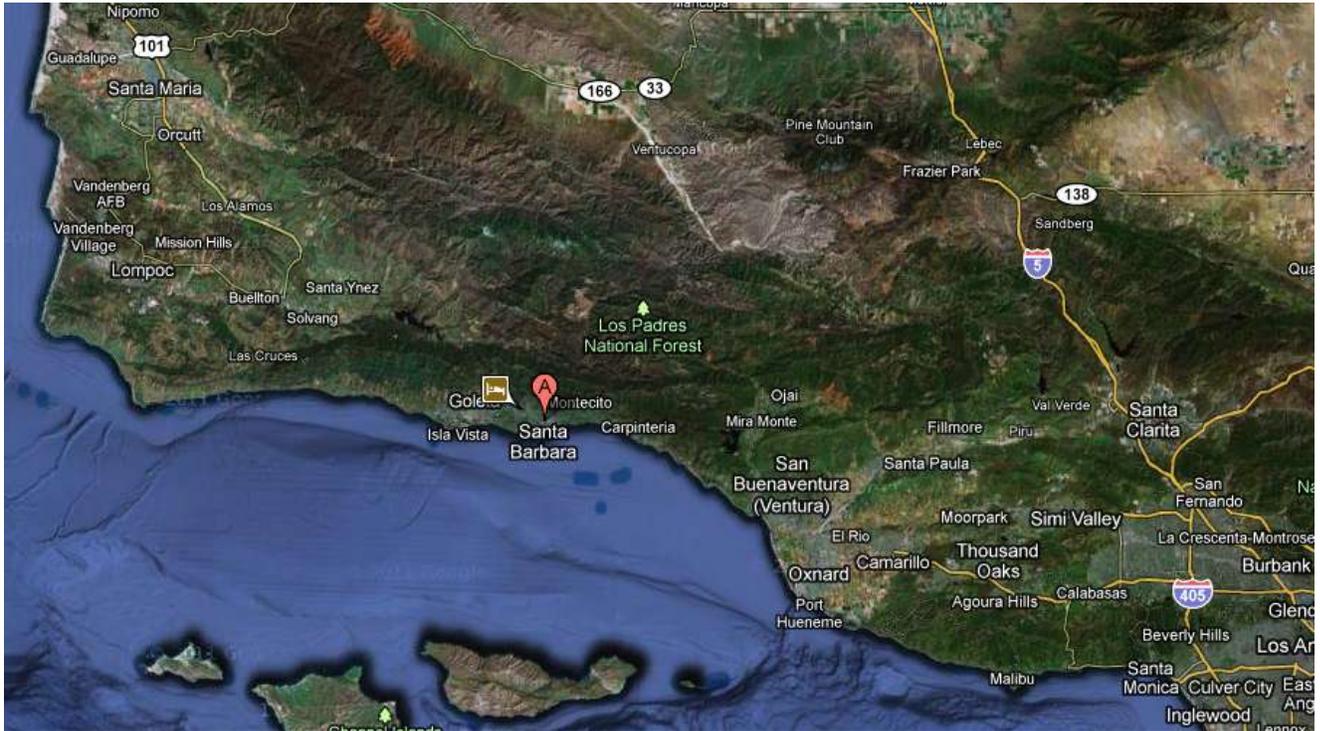
<http://www.sbplibrary.org/>

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.

Community Service

The Red Cross - <http://www.sbredcross.org/>

DAWG (Dog Adoption and Welfare Group) – <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 is a great city 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

Mary Larson
DFG – Senior Fisheries Biologist Supervisor
562-342-7186

Mentor

Dana McCann
DFG – Associate Biologist
805-568-1323

Co-Mentor

Mauricio Gomez
SCHR – Director
805-729-8787

Erin Brown
SCHR – Project Manager
925-548-2659

Co-Mentor

Chris Lima
CCC – Fish Habitat Specialist
(805) 288-3519

Jill Taylor
CCC – Fisheries Special Corpmember
(805) 288-3519

Ed Logs & Information

ISP Logs & Information

Outreach Summaries & Information

Site Protocols & Information

Site Forms