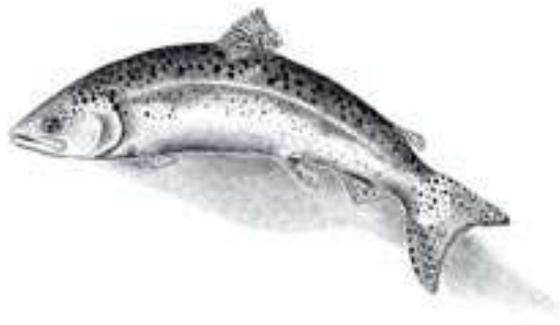




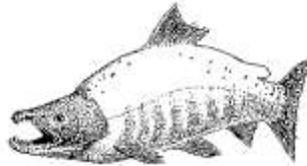
California Department of Fish and Game Eureka





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.



Sockeye Salmon



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Placement Site Information

Site Description

Location 619 2nd Street, Eureka, CA 95501, in the heart of Old Town Eureka

Agency Affiliation The Eureka Department of Fish and Game site offers a wide variety of opportunities to develop new fish and wildlife data collection skills and techniques. The offices are located in downtown Eureka on the southern edge of Humboldt Bay.

Mentor(s) Your mentor at this site is Mike van Hattem, Environmental Scientist with the Northern region Habitat Conservation Branch. Mike is responsible for California Environmental Quality Act project review in Del Norte, Humboldt and western Trinity County.

Your co-mentor is Scott Bauer, Staff Environmental Scientist with the Northern region Habitat Conservation Branch. Scott is responsible for commenting on and permitting Caltrans activities within the same counties.

WSP members have their own cubicle space within the Eureka DFG office in the Coastal Conservation Planning Group.

Local Ecology Ecologically, Eureka lies within the Coastal Redwood belt. The redwood tree is the tallest species in the world with many topping heights of 300 feet. The largest living redwood is 379.1 feet tall while the oldest redwood is recorded at 2,200 years old. Impressively, redwood roots usually do not penetrate depths greater than 6 feet. The trees stabilize themselves by interweaving their root system with neighboring redwoods.

This unique species has evolved in an environment which averages between 40-100 inches of rainfall annually. Further contributing to the cool and moist environment these forests are known for year-round fog rolling in from the Pacific Ocean which condenses on the foliage of these towering giants.

Abundant rainfall and subsequent excessive leaching results in nutrient loss from the forest floor which can only be replenished by the variety of species which inhabit these forests. Ferns, mosses, fungi and lichen abound in this habitat. Decomposers, such as banana slugs, feed on these species whose nutrients they excrete back onto the forest floor. The sheer complexity of redwood forest stands provides niches not only for an array of insects and birds but also for unique species such as the red tree vole which subsists on Douglas fir needles and lives at average height of over 100' in the canopy. Elk, deer, black bear and cougars can also be found in these forests.

Eureka is also located on Humboldt Bay, the second largest bay in California. Connected to the bay is a large network of tidally influenced sloughs which deliver pulses of freshwater into the system. The bay has been heavily impacted by human activities but still provides refuge for over 100 species of fish and over 140 species of invertebrates. A short list of species which may be found in the bay includes: salmon, rockfish, crab, green sturgeon, dolphins and seals. Great white sightings have been periodically recorded at the mouth of the bay.

There are several wildlife refuges along the bay, some of which form larger complexes due to protected corridors. These reserves are vital for the over 200 migratory, marsh and residential bird species which inhabit the area.



WSP Member Duties

Biological field surveys/monitoring may include: direct observation, electro fishing, water quality sampling, stream habitat inventories, amphibian surveys, avian surveys, botanical surveys, minnow trapping, and seining. Office duties include, but are not limited to: research of habitat conservation tools and techniques, CEQA project review, database searches and entries (BIOS), attend habitat conservation meetings, GIS, manage photo monitoring project, and maintain field equipment. In addition to these duties you are also afforded the opportunity to work with other departments in the office (i.e., Fisheries, Marine Fisheries, and Wildlife etc.). So there is no shortage of work at this site. Members are allowed to participate in watershed-related science talks at Humboldt State University.

General Calendar of Duties at DFG Eureka

<i>Month</i>	<i>Location</i>	<i>Site Duties</i>	<i>Work Load</i>	<i>Typical Work Hours</i>
Winter				
December	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
January	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
February	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
Spring				
March	Eureka, CA	Office, Fieldwork, Education	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
April	Eureka, CA	Office, Fieldwork, Education	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
May	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
Summer				
June	Eureka, CA	Office, Fieldwork	High	8 hour days – 5 days/wk (M-F 8:00-4:30)
July	Eureka, CA	Office, Fieldwork	High	8 hour days – 5 days/wk (M-F 8:00-4:30)
August	Eureka, CA	Office, Fieldwork	High	8 hour days – 5 days/wk (M-F 8:00-4:30)
Fall				
September	Eureka, CA	Office, Fieldwork	High	8 hour days – 5 days/wk (M-F 8:00-4:30)
October	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)
November	Eureka, CA	Office, Fieldwork	Medium	8 hour days – 5 days/wk (M-F 8:00-4:30)



WSP Member Information

Education Requirements

As you will learn from orientation & regional training, you are required to teach at least 6 Real Science units (or 12 if you partner up to teach). Most WSP members do more than this, usually teaching an average of 4-5 classes. My field season was pretty busy so I only taught 2 classes during my term, for a total of 12 units.

The Real Science curriculum you teach covers topics like water cycle, habitat, salmon life cycle, etc. The Education Team Leader assigns classrooms to you and then you take it from there, contacting teachers, arranging visits, and developing lesson plans. Like most people, I was nervous about teaching but as I got the hang of it I really started to enjoy it. WSP gives you plenty of resources and activities to do with the kids, so there is no need to worry if you are apprehensive about teaching. It also really helps if you have a supportive teacher like I did that does a good job with keeping their class focused and disciplined. I had the opportunity to work with very enthusiastic 4th graders. You'll often find that their favorite part was an outdoor activity you did or the fish dissection! Overall, I thought the teaching portion was a fun and rewarding experience.

Site / Region Specific Education Resources

Humboldt State University Hatchery if in need for fish for dissection (try during winter)

College of the Redwoods for taxonomy displays

Mad River Hatchery provides opportunities to do cent field trips if you are interested. Also contact them in January or February if you would like to request steelhead to dissect in your classrooms.



ISP/ Outreach Requirements

Each member is required to complete an Individual Service Project (ISP). ISPs involve recruiting at least 13 volunteers from the community to participate in stream restoration. Tree plantings, invasive plant removals, installing in-stream structures, and creek cleanups would qualify as ISPs.

As part of your ISP you will need to do some media outreach like posting flyers, advertising in community calendars, and radio spots. WSP has a Central Region media list available with contacts and other valuable information that will help you with your media outreach.

You will also need to solicit donations from local businesses to provide food and drinks for your event. For a start, you can refer to the “local resources” section of this handbook for ideas of what businesses you may want to contact. Otherwise you can look online, in the phonebook, or look around town for other possible businesses to contact.

For ISP and outreach events you will most likely be partnering up with the city, or other organizations, agencies, non-profits, etc. Since this site is in the Central Region there are often lots of events happening around town or nearby. If you need help finding an event or someone to contact, your mentor may be able to help or refer to the local media for announcements of community events.

Previous Years’ ISP & Outreach Activities

2009-2010 For my ISP, I helped organize an invasive ivy removal at Sequoia Park. I worked with the Humboldt Fish Action Council (HFAC) and the City of Eureka. The date of the event was around Easter time and other events which made it difficult to solicit donations or attract a lot of volunteers. However, it all worked out in the end with two businesses donating chips and salsa and a turn out of seventeen volunteers.

Overall the event was a success and volunteers removed lots of ivy and other invasive plants along Sequoia Creek and the Sequoia Creek trail. HFAC provided most, if not all, the proper tools and equipment needed for this event which made things much easier. If this is something you would like to do in your term here I think it would be a good project as the Park and the City were very receptive to having the event on an annual or bi-annual occurrence. You can talk to your mentor about this and also contact Doug Kelly at dougkelly@h-fac.org

2010-2011 A placement site outreach event that I participated in this year was a tree planting at Cooper Gulch in Eureka. In an effort to restore the riparian areas along the creek we planted a variety of donated trees such as spruce, alder, wax myrtle, cottonwoods and redwoods. We set out the trees and prepared the ground for planting while the local kindergarten class helped us plant approximately 100 trees.

The event was quite successful. We worked closely with City of Eureka Parks & Recreation, specifically working with Miles Slattery who can be contacted at msslattery@ci.eureka.ca.gov.

2011 Members worked with the City of Eureka and resource agencies to scope and permit their own restoration project in Sequoia Park in Eureka. They replaced two failing culverts, which reduced erosion, and restored the site with native plantings. The project was a huge success, and members gained important experience in the permitting and restoration fields.



Suggested Outreach Activities for New Year

These are outreach events that occurred this year that may be possible to participate in next year:

- EcoFest, Prairie Creek Redwoods State Park (July)
 - Organic Planet Festival, Halverson Park (August)
 - California Coastal Cleanup & Day of Caring, Humboldt Bay Area (September)
 - Take a Child Outside Day, Sequoia Park, (September)
- You can also participate in the Adopt-a-Highway cleanup that WSP does or attend any local Creek Geeks events in your area.

Suggested National Service Day Activities

The events I participated in for National Service Days include:

For Martin Luther King Jr. Day, Central Region members participated in a Manila Community Park Playground Build and Restoration event. Volunteers helped build a new playground, clear invasive blackberry bushes, re-paint the basketball court, etc.

For Cesar Chavez Day, I volunteered to help the Food for People Humboldt County Food Bank pass out bags to designated neighborhoods for the Cesar Chavez Food Drive.

For one of the National Service Days, I volunteered to help set up tables and sell native plants at the Natural History Museum’s Plant sale/ Anniversary event.

Local Resource Contacts

Grocery stores with the lowest prices:

WinCo

Location: 636 W. Harris Street, Eureka
Hours: open 24 hours a day

Eureka Grocery Outlet

Location: 625 Commercial St., Eureka
Hours: Mon – Sat 8 am to 8 pm
Sun 9 am to 7 pm

Organic grocery stores

North Coast Co-op

Location: 25 4th Street, Eureka
Hours: Daily from 6 am to 9 pm

<http://www.northcoastco-op.com/>

Eureka Natural Foods

Location: 1450 Broadway Street, Eureka
Hours: Mon – Fri 7:30 am to 9 pm
Sat 8 am to 9 pm
Sun 8 am to 8 pm

<http://www.eurekanaturalfoods.com/>

Other grocery stores

Safeway

Location: 2520 Harris Street, Eureka
Hours: 24 hours a day



Location: 930 W. Harris Street, Eureka
Hours: Daily from 4 am to 12 am

Ray's Food Place

Location: 3460 Broadway Street, Eureka
Hours: Daily from 6 am to 10 am

Target

Location: 2525 4th Street, Eureka
Hours: Mon – Sat 8 am to 10 pm
Sun 8 am to 9 pm

K-Mart

Location: 4325 Broadway Street, Eureka
Hours: Mon – Sat 8 am to 10 pm
Sun 8 am to 9 pm

Thrift Stores

St. Vincent De Paul

Location: 528 Second Street, Eureka
Hours: Mon – Sat 10 am to 5 pm

Eureka Rescue Mission

Location: 1031 Broadway Street, Eureka
Hours: Mon – Sat 10 am to 6 pm

Media Outlets

The North Coast Journal, the HSU Lumberjack and the Times Standard are good resources for learning about what community events are happening or offer places to post your ISP announcements. The North Coast Journal is published weekly with a new one arriving every Wednesday. The HSU Lumberjack is the publication from Humboldt State University and is also published weekly. Also check out www.humguide.com for links to most everything you would want in and around town. Many of the local news or radio stations also air community calendar events once and a while. The Central Region media list on the WSP website gives you a more extensive view of all the media outlets and their contact information (However, be aware that the Eureka Reporter newspaper no longer exists, in case that hasn't been deleted from the media list yet).



Calendar of Activities for Site / Community

Check out the North Coast Journal, Times Standard, or Eureka Reporter if you are so inclined to see what is going on in the area. Also check out www.humguide.com for links to most everything you would want in and around town.

Community Resources

Location

Eureka, California has a population of approximately 28,000 and is roughly 280 miles north of San Francisco on Highway 101. Eureka is nestled on the southern end of Humboldt Bay amongst the giant coastal redwoods. Just a few miles from the beach and only an hour from the snow and mountains.

There's plenty to do in Eureka: movies, mall, shops, restaurants, music, bars, churches – Eureka's got it all. Not to paint this town as a big city, but relative to the surrounding towns Eureka is the biggest thing going. Eureka was originally a logging and milling town; however, that industry has been in decline for sometime now though much of its remnants remain. Eureka is in close proximity to Humboldt State University so there is a fairly large community of young hip folks as well. Recreation abounds ... Hiking, Surfing, Climbing, Kayaking, and more.

In general Eureka and the neighboring town Arcata are very active and involved communities. People here like to have opinions on all matters, especially local issues. There are fun local events throughout the year; Farmer's markets everywhere ... you could almost go to one everyday, The North Country Fair, Pastels on the Plaza, Arts alive and many more fun events like this that get the community out to support local interests and business. It is a wonderful community to be a part of.

Demographics

As noted above, the city Eureka has a population of ~28,000. As far as demographics, the community, according to 2000 Census data, was 82.5% white, 7.7% Hispanic, 5.1% from 2 or more races, 4.2% Native American, 3.6% Asian, 2.7% other race, 1.6% African American, 0.3% Pacific Islander. Median household income in 1999 was \$25,849 with 15.8% of families living below the poverty line and 23.7% of individuals below the poverty line. At the time of the census 16.9% of individuals held a bachelor's degree or higher.

Neighboring Arcata (7 miles to the north on Hwy 101 and on the north end of Humboldt Bay) has a population of approximately 17,000. As far as demographics the community, according to 2000 Census data, was 84.5% white, 7.2% Hispanic, 5.3% from 2 or more races, 2.7% Native American, 2.3% Asian, 3.5% other race, 1.6% African American, 0.2% Pacific Islander. Median household income in 1999 was \$22,315 with 14.3% of families living below the poverty line and 32.2% of individuals below the poverty line. At the time of the census 41.6% of individuals held a bachelor's degree or higher.



Housing

Newspapers

Times-Standard <http://times-standard.townnews.com/admarket/rentals/>

Property Managers

Bode Property Management <http://www.bodepropertymanagement.com/> 707-445-2121

Humboldt Property Management <http://humboldtrentals.com/> 707-825-1515

Madsen Real Estate 707-445-3015

Pacific Partners Real Estate <http://cbcpacificpartners.com/properties> 707-441-1315

Professional Property Management <http://www.ppmrentals.com/> 707-444-9197

Six Rivers Property Management <http://www.six-rivers.com/> 707-725-1094

Other Listings

Craigslist <http://humboldt.craigslist.org/apa/>

Humboldt State University's Off Campus Housing <http://www.hsu.och101.com/>

North Coast Rental Guide <http://www.northcoastrentalguide.com> 707-725-5830

Community Services

Humboldt County Social Services Department

<http://co.humboldt.ca.us>

Location: 929 Koster St, Eureka

(707) 269-3590

Hours: Mon-Thu 8:30-Noon / 1-5pm Fri 10-Noon / 1-5pm

Eureka Department of Motor Vehicles

<http://www.dmv.ca.gov/>

Location: 322 W. 15th Street, Eureka

Hours: Mon – Tues 8 am to 5 pm

Wed 9 am to 5 pm

Thurs – Fri 8 am to 5 pm

Eureka Post Office

Location: 514 H Street, Eureka

Hours: Mon – Fri 8:30 am to 5 pm

Location: 337 W Clark Street, Eureka

Hours: Mon – Fri 8:30 am to 5 pm

Sat 12 to 3 pm

Location: 2906 F Street, Eureka

Hours: Mon – Fri 8:30 am to 5 pm

Eureka Public Library

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

Location: 1313 3rd Street, Eureka

Hours: Tues – Wed 12 to 8 pm

Thurs 12 to 5 pm

Fri – Sat 10 am to 5 pm

Resources for Affordable Entertainment Options

Calendars

North Coast Journal Calendar

<http://www.northcoastjournal.com/calendar/>

HumGuide

http://humguide.com/category.php?cat_id=1

Morris Graves Museum of Art Programs & Events

<http://humboldtarts.org/programs.htm>

HumboldtMusic.com

<http://humboldtmusic.com/>

Accident Gallery Calendar of Events

http://www.accidentgallery.com/ag_events.html



Organizations

- Friends of the Dunes <http://friendsofthedunes.org/>
- Humboldt Baykeepers <http://www.humboldtbykeeper.org/>
- North Coast California Native Plant Society <http://northcoastcnps.org/>
- Redwood Region Audubon Society <http://rras.org>

Places

Arcata Community Forest

http://www.cityofarcata.com/index.php?option=com_content&task=view&id=19&Itemid=46/

Location: The Community Forest is on the eastern side of Arcata. Access points are located in Redwood Park at the ends of 11th and 14th Streets.

Arcata Marsh & Wildlife Sanctuary

http://www.humboldt.edu/~ere_dept/marsh/

Location: Arcata Marsh is located on south G Street in Arcata

Blue Ox Mill Works & Historical Park

<http://www.blueoxmill.com/>

Location: 1 X Street, Eureka

Hours: Mon – Fri 9 am to 5 pm
Sat 9 am to 4 pm

Cost: \$7.50 for a self-guided tour

Clarke Historical Museum

<http://clarkemuseum.org/>

Location: 3rd & E Streets, Eureka

Hours: Tues – Sat 11 am to 4 pm

Cost: Free

Disc Golf Courses

Eureka: Cooper Gulch DGC

Manila: Manila Dunes DGC

Arcata: Humboldt State University DGC

Fort Humboldt SHP

http://www.parks.ca.gov/?page_id=665

Location: 3431 Fort Avenue, Eureka

Hours: Daily from 8 am to 4:30 pm

Cost: Free

HSU Natural History Museum

<http://www.humboldt.edu/~natmus/>

Location: 1315 G Street, Arcata

Hours: Tues – Sat 10 am to 5 pm

Cost: \$3

Morris Graves Museum of Art

<http://humboldtarts.org>

Location: 636 F Street, Eureka

Hours: Wed – Sun 12 to 5 pm

Cost: "Admission by donation"

Sequoia Park

Location: The entrance to the park is on W Street, south of Harris Street

Hours: Gates close at dusk

Sequoia Park Zoo

<http://www.sequoiaparkzoo.net/>

Location: 3414 W Street, Eureka

Hours: *Winter Hours*
Tues – Sun 10 am to 5 pm

Summer Hours

Tues – Sun 10 am to 7 pm

Cost: \$3



Recurring Event List

Arcata Farmers Market	Saturdays – 9 am to 2 pm (April – November)	On the Arcata Plaza (7 th Street & G Street)
Arcata Marsh Walks	Saturdays – 2 pm	
Arts Arcata	2 nd Friday of each month – 6 to 9 pm	http://www.artsarcata.com/
Arts Alive! Eureka	1 st Saturday of each month – 6 to 9 pm	http://humboldtarts.org/Programs/artsalive.htm
Audubon Arcata Marsh Walks	Every Saturday at 8:30 am	http://rras.org/
Audubon Monthly Program	2 nd Friday of each month – 7:30 pm (September – May)	http://rras.org/
Blues by the Bay		http://www.bluesbythebay.org/index2.html
Eureka Farmers Market in Old Town	Tuesdays – 10am to 1pm (June-October)	2 nd & F Streets
Eureka Public Library Based on the Book Film Series	Tuesdays – 6:30 pm	http://co.humboldt.ca.us/library/
First Thursday Film Night	First Thursday of each month – 6 to 7:30 pm	http://humboldtarts.org/Programs/film.htm
Friends of the Dunes Guided Walks	1 st & 3 rd Saturdays 2 nd & 4 th Sundays	http://friendsofthedunes.org/
Godwit Days	April	http://www.godwitdays.com/
Humboldt County Fair	Late summer	http://www.humboldtcountyfair.org/
Humboldt Folklife Festival	Summer	http://humboldtfolklife.org/
Jazz Jams	3 rd Sunday of each month	http://humboldtarts.org/Programs/sunday.htm
Organic Planet Festival	4 th weekend of August	http://www.organicplanetfestival.org/
Redwood Coast Jazz Festival	Spring	http://www.redwoodjazz.org/index2.html