

AGENDA
REGULAR MEETING OF THE BOARD OF COMMISSIONERS
HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

DATE: November 14, 2013

TIME: 6:00 p.m. Executive Closed Session
7:00 p.m. Regular Session

PLACE: Woodley Island Marina Meeting Room

The Meeting Room is wheelchair accessible. Accommodations and access to Harbor District meetings for people with other handicaps must be requested of the Director of Administrative Services at 443-0801 24 hours in advance of the meeting.

1. Call to Order at 6:00 p.m.

- a. Move to Executive Closed Session pursuant to the provisions of the California Government Code Sections 54957.6 (Negotiations with Represented Employees)

1. Conference with Labor Negotiator

Agency Negotiators: Chief Executive Officer, District Counsel, Two (2) or less of the members of the Board of Commissioners

Employee Organization: As recognized by the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District, including International Longshore and Warehouse Union, Local 14A.

2. Adjourn Executive Closed Session

3. Call to Order Regular Session at 7:00 P.M. and Roll Call

4. Pledge of Allegiance

5. Report on Executive Session

6. Public Comment

Note: This portion of the Agenda allows the public to speak to the Board on the various issues not itemized on this Agenda. A member of the public may also request that a matter appearing on the Consent Calendar be pulled and discussed separately. Pursuant to the Brown Act, the Board may not take action on any item that does not appear on the Agenda. Each speaker is limited to speak for a period of three (3) minutes regarding each item on the Agenda. Each speaker is limited to speak for a period of three (3) minutes during the PUBLIC COMMENT portion of the Agenda regarding items of special interest to the public not appearing on the Agenda that are within the subject matter jurisdiction of the Board of Commissioners. The three (3) minute time limit may not be transferred to other speakers. The three (3) minute time limit for each speaker may be extended by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District. The three (3) minute time limit for each speaker may be enforced by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District.

7. Consent Calendar: None

Note: All matters listed under the Consent Calendar are considered to be routine by the Board of Commissioners and will be enacted by one motion. There will be no separate discussion of these items. If discussion is required, that item will be removed from the Consent Calendar and considered separately.

8. Communications and Reports

- a. Chief Executive Officers Report
- Redwood Terminal 2 (Freshwater pulp mill site) Cleanup Update
- b. Staff Reports
- c. District Counsel's and District Treasurer's Reports
- d. Commissioner and Committee Reports
- e. Other

Agenda for November 14, 2013 Regular Board Meeting

9. Non Agenda

10. Unfinished Business

11. New Business

- a. Consideration of Redwood Terminal 2 expenditures exceeding CEO's authority.
- b. Consideration of Amendment to the existing Agreement with Friends of the Dunes to for services in the Spartina Eradication Program.
- c. Consideration of Brownfields grant application for Phase II work at the District's pulp mill site property.
- d. Consideration of agreement with George Williamson of Planwest Partners Inc. to provide District Planner services.
- e. Discussion of extension of Coast Seafoods' Tideland Lease.

12. Administrative and Emergency Permits

13. Adjournment

11b

AGENDA REPORT

For Agenda of: November 14, 2013

Title: 11-b Consideration of Amendment to the existing Agreement with Friends of the Dunes for Services in the Spartina Eradication Program.

Place on Agenda: New Business

Summary of the Issue:

The Friends of the Dunes are hiring field technicians to assist in completing specific monitoring tasks associated with the Spartina Eradication project. The proposed amendment would add an additional monitoring task to assist in tracking the progress and effectiveness of this season's eradication work, and supplement the agreement budget accordingly.

As discussed in establishing the original agreement with FOD, this is a practical way for us to employ the technicians who have experience with this work, while ensuring that the proper liability insurance, worker's comp, and the like are provided for them.

Fiscal Impacts:

The additional contract amount is fully funded through our current grant agreement from the California Coastal Conservancy.

Staff recommends that the Board of Commissioners:

Approve the proposed Amendment to the existing Agreement with Friends of the Dunes for Services in the Spartina Eradication Program.

AMENDMENT 1

Agreement with the
FRIENDS OF THE DUNES FOR SERVICES IN THE
SPARTINA ERADICATION PROGRAM

WHEREAS, The October 2013 Agreement between the Humboldt Bay Harbor, Recreation, and Conservation District, hereinafter “DISTRICT”, and Friends of the Dunes, hereinafter “ CONTRACTOR”, provides for contractual services to be paid to CONTRACTOR by DISTRICT on a Time & Expenses basis, with a total amount not to exceed \$17,250.00.

WHEREAS, DISTRICT has need for additional services described in Attachment A to this Amendment, and incorporated herein by reference, additional funds are available to increase the amount of services provided by CONTRACTOR, and CONTRACTOR has the resources to provide these services,

THEREFORE, Both DISTRICT and CONTRACTOR agree to amend the October 2013 Agreement to increase the total amount of funds available through this agreement by \$2,070, to a total of \$19,320. These funds originate from a Coastal Conservancy grant to the DISTRICT.

All other aspects of the original agreement are unchanged by this amendment and remain in full effect. Total time and expenses incurred by CONTRACTOR are not to exceed the amended total of \$19,320

IN WITNESS HEREOF, the parties hereto have executed this Amendment to the October 2013 Agreement on the dates provided below:

DISTRICT

CONTRACTOR

By: _____

By: _____

Name: Jack Crider

Name: _____

Title: Chief Executive Officer

Title: _____

Date: _____

Date: _____

Attachment A
to the Nov 14th 2013
Amendment to the Agreement between the
DISTRICT and FRIENDS OF THE DUNES

SCOPE OF WORK
Spartina Eradication Progress Monitoring
November, 2013

1. PURPOSE: The Friends of the Dunes will provide assistance to USFWS staff to conduct the annual Progress Monitoring of the *Spartina* Eradication Program. Technicians on the project will work in coordination with the Humboldt Bay National Wildlife Refuge Ecologist.

2. PERIOD OF PERFORMANCE:

The project will begin on or after November 14, 2013 and will be completed by May 30, 2014.

3. COMPENSATION

The District will reimburse the Friends of the Dunes for up to 100 hours of work at the rate of \$18/hour, for a total of \$1,800.00 in direct costs. With the Friends of the Dunes standard overhead rate of 15%, the total contract amount will be \$2,070. All necessary equipment will be provided by Humboldt Bay National Wildlife Refuge. Work hours may be determined by weather and tides.

4. METHODS

LOCATION.

Throughout USFWS Refuge lands surrounding Humboldt Bay where treatment has occurred in calendar year 2013.

DATA COLLECTION

The FOD Technician will utilize the established methodology developed by the USFWS in recent years, and will work under the direction of USFWS staff.

The purpose of the monitoring is to follow the overall saltmarsh recovery following the removal of *Spartina*. The monitoring consisted of quantitative vegetation plots at JCU (60 plots), ESU (30 plots), and TBU (30 plots). Plots were placed in a systematic random fashion using ArcGIS xtools and were stratified according to *Spartina* cover prior to treatment at JCU. Plots were navigated to using a geoXT and ocular estimates of cover by all plant species using 6 cover classes were recorded.

The research and all associated data collection and reports shall be done consistent with prior years work so that the results are fully consistent and comparable between years.

Original
Contract

**CONTRACT AGREEMENT
WITH FRIENDS OF THE DUNES FOR SERVICES IN THE
SPARTINA ERADICATION PROGRAM**

THIS AGREEMENT, MADE THIS 24th DAY OF October 2013, by and between the Humboldt Bay Harbor, Recreation and Conservation District, P.O. Box 1030 Eureka, CA 95502-1030 hereinafter called the "**DISTRICT**" and **Friends of the Dunes**, a California non-profit corporation with Taxpayer ID # 68-037387 located at PO Box 186 Arcata CA 95518, hereinafter called "**CONTRACTOR**."

WITNESSETH: That the **CONTRACTOR** has the experience, technical expertise and project information necessary to perform the attached Scope of Work (Attachment A to this agreement) for *Spartina densiflora* seed bank research.

That for and in consideration of payments and agreements hereinafter mentioned:

1. **CONTRACTOR** will employ technicians to perform the services described in the attached Scope of Work.
2. **CONTRACTOR** agrees to perform the work for an hourly rate of \$18/hr, up to a total of 833.3 hours, or \$15,000. With a 15% overhead charge, the total contract amount is not to exceed \$17,250. This amount can only be supplemented through mutual signed agreement of **DISTRICT** and **CONTRACTOR**.
3. The terms of this contract may only be amended in writing by mutual agreement of both parties. The **DISTRICT** may terminate the contract upon giving thirty (30) days written notice to the contractor. In the case of early termination, a final payment will be made to the contractor upon receipt of an invoice covering costs incurred up to the issuance of the notice of termination, based on the portion of work completed.
4. **DISTRICT** will make payment within thirty (30) days of acceptance of monthly invoices.
5. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
6. **CONTRACTOR** shall be responsible for the proper handling, control and disposal of any hazardous materials or waste that may be discovered, generated or utilized in the performance of the contract.

7. **CONTRACTOR** shall be responsible for all injuries or deaths to persons and all damage to property of **DISTRICT** or others caused by or resulting from the negligence of **CONTRACTOR**, its employees, agents, or subcontractors during the progress of or connected with rendition of services herein rendered.
CONTRACTOR AND DISTRICT shall defend and hold harmless and indemnify each other and all their officers and employees from all costs and payments for damages for injuries or deaths arising out of their respective negligence.
8. **CONTRACTOR** shall perform work in a professional manner and shall be responsible and accountable for the accuracy, completeness, clarity, and adequacy of the work.
9. With respect to operations performed under or incident to this agreement, **CONTRACTOR** agrees to obtain and maintain the following insurance with coverages listed below:
 - a. Workers' Compensation insurance meeting statutory limits and employer's liability insurance in an amount not less than \$1,000,000 for all employees engaged in this Project:
 - b. Professional and General liability insurance that provides protection for claims which may arise out of or result from operations under this agreement. Liability insurance coverages shall be not less than a single limit coverage of \$1,000,000;
 - c. All insurance certificates shall list **DISTRICT** as additionally insured and include an Endorsement

Any and all deductible amounts are the responsibility of the **CONTRACTOR**.

10. No project work can be performed until the **CONTRACTOR** has received an executed copy of this Agreement.
11. The **CONTRACTOR** shall comply with all applicable state laws, rules, regulations and local ordinances specifically including but not limited to environmental, procurement and safety laws, rules, regulations and ordinances. As may be necessary, the Contractor shall be responsible for obtaining the services of appropriately licensed professionals to comply with the applicable requirements of the Business and Professions Code.
12. If the **CONTRACTOR** fails to perform in accordance with the provisions of this Agreement, the **DISTRICT** retains the right, at its sole discretion, to delay, interrupt or suspend the work for which the contract monies are supplied.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement which shall be deemed an original on the date first above written.

Humboldt Bay Harbor, Recreation & Conservation District

MIKE WILSON, President

ATTEST:

PATRICK HIGGINS, Secretary

Contractor

Carol Vander Meer, Executive Director
Friends of the Dunes
PO Box 186 Arcata CA 95518

Witness

AGREEMENT FOR PLANNER SERVICES

11d

This agreement, made and entered into on November 14, 2013 between the Humboldt Bay Harbor, Recreation and Conservation District, hereinafter referred to as "District" and George Williamson, AICP Principal Planner, of Planwest Partners Inc., hereinafter referred to as "Planner."

1. Effective immediately, the parties hereto agree that Planner shall provide services, materials, and incidentals necessary to complete District planning services on an "as-needed" independent contractor basis as detailed in Exhibit A "Scope of Services" and made a part of this agreement by reference. George Williamson shall be the primary person who will provide the services of Planner.
2. Planner agrees to submit FPPC Form 700 Statement of Economic Interest to the Humboldt County Elections office, with one copy to be retained by District, within 10 (ten) days of signing this agreement. Further, Planner, before entering upon the duties of his office, shall take and file with the Secretary of the District, the oath of office required by the Constitution of this State.
3. In order to accomplish the above referenced planning duties, District agrees to pay Planner for reasonable services provided by Planner on a time and materials basis. Planner's rate schedule for services is included in the Professional Services Statement of Qualifications for District Planner and is attached to this Agreement as Exhibit B.
4. District may, at its option, extend this agreement annually as part of the District's annual budget approval process. District will notify Planner in writing no later than June 30 of each year of the intention to extend or terminate this agreement for the next fiscal year.
5. Planner must certify that he is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and the Planner will comply with such provisions before commencing the performance of the professional services under this contract. Planner and sub-consultants will keep workers' compensation insurance for their employees (if applicable) in effect during all work covered by this Agreement and shall file with the District the certificate required by Labor Code Section 3700.
6. Planner will file with the District before beginning professional services, certificates of insurance satisfactory to the District evidencing **professional liability** coverage of not less than \$1,000,000 per claim and annual aggregate for bodily injury, personal injury and property damage; requiring 30 days notice of cancellation (10 days for non-payment of premium) to the District. Any insurance, self-insurance or other coverage maintained by the District shall not contribute to it. In the event that the Planner employs other consultants (sub-

Agreement for Planner Services

November 14, 2013

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consultants) as part of the work covered by this agreement, it shall be the Planner's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.

7. Planner will file with the District before beginning professional services, **certificates of insurance** satisfactory to the District evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$500,000 for bodily injury and property damage combined single limit; workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable); requiring 30 days notice of cancellation to the District. Any insurance, self-insurance or other coverage maintained by the District shall not contribute to it.
8. In performing services under this Agreement, Planner is an independent contractor, and not an employee of the District. Planner agrees to defend, indemnify and hold harmless District and its employees, officers, Commissioners and agents for all claims by third persons or entities arising out of the Planner's performance of services under this Agreement.
9. Planner shall not accept direction or orders from any person other than the Board of Commissioners acting as a body, or the District's Chief Executive Officer.
10. Payment is to be within 30 days after receipt of the monthly billing by the District.
11. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance in writing by the Board of Commissioners.

GEORGE WILLIAMSON
PLANWEST PARTNERS INC.

HUMBOLDT BAY HARBOR, RECREATION
AND CONSERVATION DISTRICT

By _____
GEORGE WILLIAMSON
District Planner

By _____
MIKE WILSON, President
Board of Commissioners

Exhibit A
Scope of Work
DISTRICT PLANNER

The District Planner will perform planning services and environmental documentation and program review as directed by the District's Chief Executive Officer on a time and materials basis. The three main areas of work are anticipated to be:

- 1. District Permit Application-Related Tasks.** District Planner will assist, as required, in the review of District permit applications, biological studies and environmental documentation.
- 2. Tasks Related to Implementing Applicable Portions of the Humboldt Bay Management Plan and District Strategic Plan.** District Planner will assist, as required, in the review, planning and implementation of the policies of the Humboldt Bay Management Plan and work with the District's Director of Conservation to provide advice and technical support to the District. District Planner will also assist, as required, in the preparation of environmental documents, grant applications, research and progress reports.
- 3. Other Tasks:** Includes all other tasks not identified in 1 and 2 above and undertaken on District's direct or indirect behalf. Work items and cost would be estimated prior to initiation of task. These tasks would be at District request or direction. Examples of tasks appropriate under this item would include all planning tasks not related to permit application processing, environmental documentation review, or related to the implementation of the Humboldt Bay Management Plan and/or District Strategic Plan, but would include planning for the full utilization of District Assets.

Exhibit B

***Professional Services Statement of Qualifications for District
Planner for the Humboldt Bay Harbor, Recreation and
Conservation District provided by Planwest Partners, Inc.***

Exhibit B



Professional Services Statement of Qualifications for: District Planner

Submitted to:



Submitted by:

PLANWEST
PARTNERS, INC. 



Humboldt Bay Harbor, Recreation and Conservation District
601 Startare Drive
Eureka, CA 95501

October 25, 2013

Subject: Qualifications to Provide District Planner Services to HBHRCD

To CEO Jack Crider:

Planwest Partners Inc. proposes to provide contract District Planner services to the Humboldt Bay Harbor, Recreation and Conservation District (District). This independent contractor role is very familiar for us as we provide contract staffing services to cities and special districts. Our eight member team of qualified staff offers a broad range of relevant expertise and experience to assist the Harbor District, including the following:

- ◆ Specific knowledge of the District & its functions as well as Humboldt Bay;
- ◆ Experience of working on reuse strategies for 10 mill sites on the North Coast;
- ◆ Understanding of City & County General Plan Update & Amendment processes;
- ◆ Services, infrastructure & safety expertise for industrial, commercial & recreation uses;
- ◆ Economic Development Planning through strategic & business plans;
- ◆ Transportation issues, including goods movement & regional planning;
- ◆ CEQA & NEPA practitioners, with EIR, EIS & agency consultation skills;
- ◆ Permit streamlining & preparing efficient local ordinances and regulatory processes;
- ◆ Facilitators skilled in community involvement & public outreach practices;
- ◆ Sea Level Rise planning & climate change adaptation; and
- ◆ Energy efficiency analysis & savings projections, renewable source assessments.

Planwest staff offers experience managing projects, administering grants, and responding to requests for information from regulatory agencies. We offer knowledge of District operations and functions, including planning and permitting, regulatory compliance, grant administration, and state and federal agency reporting requirements. If selected, Planwest will support the District Board and CEO by staffing meetings as directed; preparing staff reports and meeting packets; implementing plans and policies; monitoring work flow for the District's planning needs; representing the District to local agencies and the public; and conducting analyses to keep the Board informed on District matters.

Our qualifications and specific responses to requested expertise are included. We believe our economic, harbor, community development and related experience has given us real insight into the opportunities available to the Harbor District.

Sincerely,

A handwritten signature in blue ink that reads "George Williamson".

George Williamson, AICP Principal Planner
t 707.825.8260 | f 707.825.9181
email georgew@planwestpartners.com
1125 16th Street, Suite 200 Arcata, CA 95521

General Qualifications

Distinguishing Characteristics

Planwest Partners, Inc. is a Northern California based consulting firm and California Certified Small Business that provides land use, community, environmental, economic, and transportation planning services from our Arcata, California location. We work with special districts, state, county and city, private industry, local communities, and tribal governments, to plan for sound growth, economic development and promote environmental stewardship. George Williamson started Planwest in 1997, to offer professional planning services that now include:

- ✓ Community, General and Strategic Plans;
- ✓ Community Outreach and Meeting Facilitation;
- ✓ Transportation Comprehensive Planning;
- ✓ Environmental Planning Services – CEQA and NEPA Compliance;
- ✓ Geographic Information Systems (GIS) Mapping and Data Management;
- ✓ Economic Development Planning;
- ✓ Land Use and Community Plans;
- ✓ Hazard Mitigation and Emergency Management Planning;
- ✓ Grant Writing;
- ✓ Website development and management;
- ✓ Project Management;
- ✓ Site Selection, Design and Feasibility Studies; and
- ✓ Survey Research and polling.

Planwest staff has a management-level understanding of **how district services, governmental programs, and capital improvements are financed and delivered**. Planwest staff has direct experience from conducting performance measurements and evaluating the ability for municipalities and special districts to deliver services. We staff every project and assignment with relevant expertise to meet client needs. For the District Planner position, Planwest has assembled a comprehensive range of expertise provided by the following professionals:

- ✓ George Williamson AICP, Lead District Planner;
- ✓ Melanie Rheume, Assistant District Planner;
- ✓ Dr. Steven Hackett, District Economist;
- ✓ John McFarland, emergency response/fire/safety specialist;
- ✓ Colette Metz, Community Outreach Specialist;
- ✓ Vanessa Blodgett, Planner/Services/ Environmental Analyst;
- ✓ Stephen Tyler, water/ wastewater systems specialist; and
- ✓ Christina Wile, GIS & Computer Sciences Technician.

We specialize in **analyzing the management, organizational and service capacity** of service providers relative to community needs. We offer experience preparing and evaluating capital improvement plans (CIPs), infrastructure improvement plans, general plans, management plans and related studies. We also plan capacity for potential growth and expanded services. In

particular, Planwest staff has prepared multiple general plans and understands the potential effects of growth and development policy on infrastructure and services.

Planwest staff has **experience working cooperatively** with agencies, service providers, organizations, and community members with divergent interests. We have completed service studies, which required coordination with multiple special districts. Our studies examine existing and planned services, consider how services could be provided most efficiently, and **evaluate opportunities to increase capacity and efficiency**. Planwest has the ability to find common ground among stakeholders and foster multi-agency cooperation.

Planwest staff **facilitates the planning process with effective public input** and has the skills and training for handling the presentation and dissemination of information to local agencies and the public for review and comment. Planwest staff received facilitation training through the National Charrette Institute, a nationwide non-profit offering certification in organizing and conducting community workshops. Planwest also offers instant polling technology, projection equipment, and spatial data tools to meaningfully engage participants and decision makers.

Planwest staff has considerable experience in preparing, reviewing and commenting on **California Environmental Quality Act (CEQA)** documents. This includes exemptions, negative declarations and mitigated negative declarations, and EIRs when necessary. We have also incorporated sea level rise allowances into environmental analysis and monitor the climate change data available at the Climate Commons website, for current data.

Qualifications Related to Typical Duties

Planwest Partners offers **qualifications and a staff that will be dedicated to carrying out the following District Planner duties** working as an independent contractor. We also understand that other related duties may be assigned by the CEO.

- ◆ Research, analyze and evaluate marine resources, land use, transportation and public services data and information consistent with District planning objectives. *Planwest has demonstrated our ability to present our analysis in a clear format with both written determinations and supplemental tables, graphs, and spatial data to demonstrate our conclusions. We are currently managing a Caltrans grant for the District for the Samoa Industrial Waterfront Transportation Plan. This includes representing the District for review of routing options to improve access to District dock facilities, researching road state classification requirements, and hiring an engineering contractor for route analysis. In addition, Planwest prepared a Woodley Island RV Park Preliminary Feasibility Study with operations and maintenance responsibilities, revenue generating potential and marketing strategy; this included conceptual layout, startup costs, and staffing needs.*
- ◆ Meet with interested parties and agencies on technical, policy and political issues. *This is a very important function, as there can be competing interests and differences of opinion about services, resource use and related District matters. Planwest has trained facilitators experienced in bringing interested parties together and creating an environment for identifying and resolving differences for common purposes. We work with*

property owners, service providers, county representatives and other local, state and tribal agencies to identify and address potential issues.

- ◆ *Prepare and present District planning reports, with alternatives and recommendations. Planwest has experience preparing special studies and reports that identify service needs and cost-effective service delivery options. We identify alternatives that can increase level-of-service or demonstrate a higher return of investment.*
- ◆ *Develop and implement District goals, objectives, policies and procedures. Planwest has extensive experience in working with agencies and communities to develop goals, policies, and implementation strategies, including General Plan preparation. In addition, we have assisted those agencies through the implementation phases of planning. We view strong policies and procedures as the foundation for any District decisions regarding administrative, planning and financial procedures. Planwest is familiar with Harbor District policies and procedures, and has developed a scope for work for updating District policies, procedures, rules, regulations & ordinances. Our experience updating and streamlining project permitting, and implementing more efficient and cost effective policies, procedures, rules and regulations has given us real insight into the opportunities for improving District operations.*
- ◆ *Plan, organize and direct District activities including development and preparation of the Planning portion of the Board meeting agenda. Planwest will direct and administer District activities related to Board agendas, notices, hearings, and minutes. We understand the intricacies of the Ralph M. Brown Act and the California Environmental Quality Act (CEQA).*
- ◆ *Confer and advise the Board, CEO, and District Legal Counsel as needed, on a variety of issues pertaining to District planning powers, duties, functions, practices and obligations. Planwest offers a working knowledge of the powers and duties of the District pursuant to the Humboldt Bay Harbor, Recreation and Conservation Act and can advise and confer with legal counsel on issues of legislative authority, conflict of interest, procedures and duties.*
- ◆ *Attend District Board meetings with planning items or when requested by the CEO. Planwest commits to attending regular District Board meetings held the second and fourth Thursdays each month, as directed by the CEO. Staff will also be available for Economic Development Committee meetings held the second and fourth Mondays each month, and for special meetings, as needed.*
- ◆ *Direct, oversee and participate in the development of the District planning work plan; assign work activities, projects and programs; monitor work flow; review and evaluate work products, methods and procedures. One of the most effective tools Planwest staff uses is a work plan for scheduling and completing activities. We will work with the CEO and Board in developing and implementing a District Planner work plan. In addition, we will regularly update the Board and CEO on the status of proposals projects and programs.*

- ◆ Prepare, implement and administer the planning component of the District budget; forecast additional funds needed for services, equipment, materials and supplies. *On an annual basis, Planwest prepares draft and final budgets, including with the oversight of a budget review committee made up of LAFCo Commissioners. We have been able to control costs through operational efficiencies, and have even reduced the current adopted Humboldt LAFCo budget compared to the prior year.*
- ◆ Build and maintain positive working relationships with District staff, Board members, local governmental agencies staff and members of the public. *A Planwest strength is our ability to build and maintain strong working relationships. We are always available to Board members, staff and members of the public to discuss questions or concerns. Our staff coordinates early on with applicants and stakeholders to streamline processes and control costs. We regularly post information to agency websites and maintain agency directories and resource links there.*
- ◆ Represent the District before various public and private policy making boards and agencies; participate in outside community and professional groups and committees. *Staff is well-versed in making presentations to public and private policy making boards and agencies. George Williamson, Steven Hackett and Colette Metz regularly present studies and reports to commissions, committees, councils, and agencies. They also participate in community and professional groups. Mr. Williamson is a City of Arcata Energy Committee member Ms. Metz is a Eureka Toastmasters club member and Steve Hackett holds faculty and administrative positions at HSU and consults with the Schatz Energy Research Lab. He would be a key asset for the District's collaboration with HSU.*
- ◆ Provide technical assistance, especially with regard to proposed use of District resources. *Guiding applicants through the proposal development, processing and completion process is a very important role planning staff. Planwest has a proven track record of reducing applicant costs by holding pre-application meetings and consultations early on in the planning stages of a proposal. We work with applicants to identify application needs and to address potential community concerns that reduce costly delays in application processing.*
- ◆ Develop plans and public review processes for full utilization of District assets and lands. *Planwest specializes in economic development and revitalization plans. We know how to organize the actions necessary to translate available data and community input into an economic strategy that is the catalyst for asset and land use decisions.*

Knowledge and Ability

Knowledge:

Planwest offers knowledge in the following areas:

- ◆ **Mill Site Reuse Studies**

Planwest has studied and developed recommendations/reuse strategies for or provided studies and analysis for the following 10 mill sites:

- *Town of Samoa* – Master Plan Environmental Impact Report, Tsunami Vulnerability Assessment and Safety Plan, Local Coastal Program Amendment Assistance and Regional Resource Recovery Facility Coastal Development Permit.
- *Little Lake Industries Mill Site Arcata* – Reuse Study and incorporation of reuse land uses into the City General Plan.
- *Britt Lumber Mill Site Arcata* – Arcata Forest Products operating capital business plan/loan package.
- *Town of Scotia* – Community Service District condition and completion certificate review for transfer of assets and infrastructure from Town of Scotia LLC.
- *Carson Mill Site Eureka* – Master Environmental Assessment for streamlining reuse and Eco-Hostel Design and Feasibility Study.
- *Former Palco Mill Site Fortuna* – Analyzed site conditions as part of general plan update, conducted environmental analysis and assigned land uses to facilitate reuse.
- *Eel River Sawmill Site Rio Dell* – Analyzed site conditions, assessed services needs, conducted environmental analysis and assigned land uses for reuse after annexation.
- *Elk Valley Road Mill Site Reuse Crescent City* – Led consulting team of structural engineers, biologists, hydrologists and site assessment specialists to develop a reuse strategy and marketing plan. The reuse strategy focused on development & management of a resource recovery park. This site is now the location of the Del Norte Waste Management Transfer & Resource Recovery Facility and Business Park.
- *Standard Veneer Mill Site Reuse Crescent City* – Cleanup study, coastal development permit, acoustic analysis and building structural analysis for reuse.
- *McNamara Peepe Mill Site Reuse Crescent City* – Contamination and cleanup study. Key reuse planning tasks included preparing site assessments; developing a range of reasonable site uses; preparing an infrastructure needs assessment and cost analysis.

◆ **General Plan / Local Coastal Program / Implementing Ordinance Updates**

Planwest has participated in the following General Plan and Implementation Updates:

- *City of Arcata General Plan 2020, Local Coastal Program & Land Use Code* – Lead Update consultant; worked with four City appointed committees during update.
- *City of Fortuna General Plan Update & Annexation Studies* – Complete Plan Update with Mills Site reuse and four annexation area studies
- *City of Ferndale General Plan Update* – Completed Housing, Historical & Cultural Use and Safety Elements, currently working on Air Quality & Noise Element.
- *City of Rio Dell General Plan Update & Annexation Studies* – Updated Land Use and Housing Elements and completed two annexations, including Eel River Sawmill site.
- *City of Crescent City General Plan Local Coastal Program Update* – Complete Update
- *County of Mendocino Local Coastal Program Update* – Lead LCP Update Consultant, including community meetings and reviewing coastal access offers of dedication

- *County of Humboldt General Plan Update Baseline studies* – Received initial contract for plan scoping and scheduling and publicizing initial round of community meetings.
- *County of Del Norte General Plan Update Baseline studies* – Part of team that prepared baseline studies for land use, community development and natural resources.
- *City of Eureka – General Plan Petition- Lost Coast Brewery site.*

◆ **Economic Development Planning**

Planwest has produced the following Economic Development and Business Plans:

- *City of Arcata Economic Development Strategic Plan* – lead consultant with Dr. Steven Hackett – this plan received an award from the California APA Northern Section;
- *City of Rio Dell Economic Development Strategic Plan* –with Dr. Steven Hackett;
- *Eel River Valley Regional Food Collaborative Business Plan*;
- *City of Arcata Foodworks Culinary Center* – multiple business plans for startups;
- *City of Arcata Britt Lumber Mill Site reuse business plan for expansion*;
- *Orick Community Telecommunications Business Plan*; and
- *Wolf Creek Education Center Business & Operations Plan.*

◆ **Environmental Planning**

Planwest has produced the following Environmental documents:

- *Samoa Town Master Plan Master EIR*;
- *City of Willits Wastewater Treatment/ Water Reclamation Project EIR*;
- *HCAOG Regional Transportation Plan Program EIR*;
- *Boys and Girls Club of the Redwoods Eureka Recreation Facility EIR*;
- *Arcata Rails with Trails Project Mitigated Negative Declaration*;
- *Fields Landing Modernization Project EIR*;
- *Humboldt Waste Management Authority Permanent Waste Transfer Station EIR*; and
- *Arcata Community Recycling Center - Regional Materials Processing Facility Samoa, CA, Coastal Development Permit and Mitigated Negative Declaration.*

Abilities:

Planwest offers the following abilities:

- ◆ **Special District Planning Expertise**
- ◆ **Economic Development / Strategic Planning**
- ◆ **Community Outreach/ Involvement**
- ◆ **Procedural Efficiencies – Use of Ordinances, Resolutions and Implementation Plans**

Environmental & Functional Factors:

Planwest staff is able to perform the duties required of District Planner in all required environments, settings and situations. Planwest offices are fully equipped, and staff can perform duties from District offices or other worksites as required. Planwest staff can effectively communicate, both verbally and in writing, as necessary with District staff, clients, and public.

Physical Requirements:

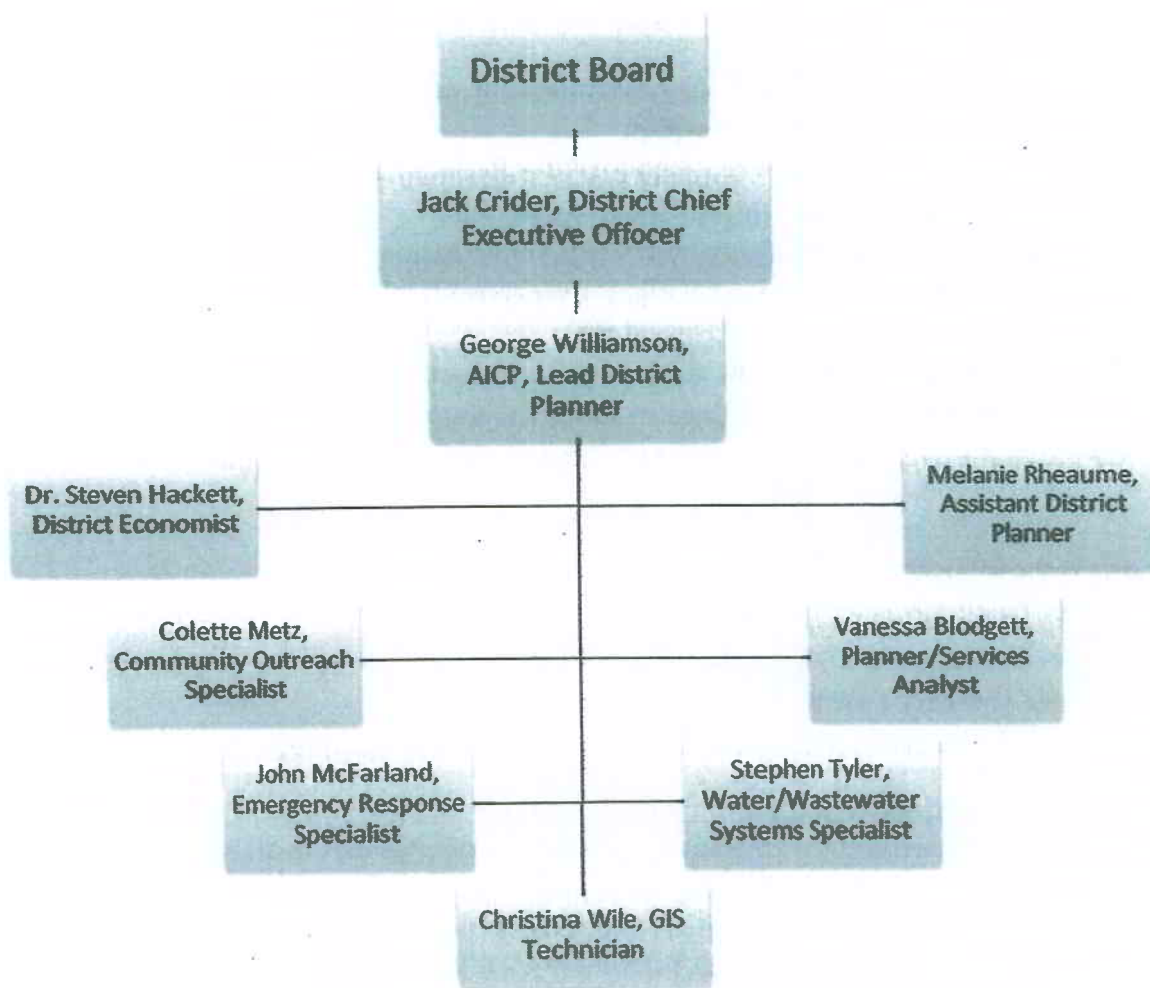
Planwest staff possesses the physical abilities to perform district planner duties.

Independent Contractor Term:

Planwest Partners Inc. is a California Certified Small Business and a C Corporation. We carry professional liability, commercial and auto, and workers compensation policies for all our contracts. We have the ability to enter into a professional services contract with the District for all work needed from the District Planner.

Team Organization

Planwest Principal George Williamson, AICP will serve as Lead District Planner for HBHRCD with support from the rest of the Planwest Team. Melanie Rheume, Assistant District Planner, Colette Metz, Community Outreach Specialist; Vanessa Blodgett, Planner/Services Analyst; and Christina Wile, GIS Technician will provide District Planner support. HSU Economics Department Chair Dr. Steven Hackett will serve as on call District Economist.



In addition, former Fire Chief John McFarland will serve as emergency response/fire/safety specialist and former Environmental Services Director Stephen Tyler will serve as water/wastewater systems specialist. A project team organization chart is provided below. In addition, our resumes are enclosed for more information on qualifications, education and experience of all team members.

Project Related Experience

Planwest Partners, Inc.

Humboldt Bay Harbor District Grant Administration, Transportation and Recreational Use Planning & Development | 2012 - 2013

Reference Title	Jack Crider HBHRCD, CEO
Phone Email	(707)443-0801 jcrider@humboldtby.org
Address	P.O. Box 1030, Eureka, CA 95502

Planwest has provided contract planning services to the Humboldt Bay Harbor, Recreation and Conservation District since 2000, starting with a harbor permit for channel improvement and dock revitalization in the South Bay. Currently, Planwest is managing a Caltrans grant for the District for the Samoa Industrial Waterfront Transportation Plan. This includes representing the District for review of routing options to improve access to District dock facilities, researching road state classification requirements, and hiring an engineering contractor for route analysis. In addition, Planwest prepared a Woodley Island RV Park Feasibility Study to determine operations and maintenance responsibilities, revenue generating potential and marketing strategy; this included conceptual layout, startup costs, management and revenue projections.

Humboldt LAFCo Harbor District Municipal Service Review and SOI Update | 2012

Reference Title	Virginia Bass Humboldt LAFCo Chair, County Supervisor
Phone Email	(707)499-5000 vbass@co.humboldt.ca.us
Address	825 5 th Street, Eureka, CA 95501

Planwest Partners, serving as contract staff for the Humboldt Local Agency Formation Commission, prepared the 2012 Municipal Service Review for the Humboldt Bay Harbor, Recreation and Conservation District. A Municipal Service Review is a state-mandated review of local agencies to assess existing and future public service conditions and to evaluate organizational options for accommodating growth and ensuring critical services are provided efficiently.

In order to gain an understanding of existing harbor-related services, facilities and programs, Planwest developed a Harbor District information questionnaire and conducted interviews with management personnel. Planwest engaged the Harbor District Board of Commissioners concerning management planning and expansion of harbor use, recreational opportunities and bay conservation. The data gathered informed the preparation of written determinations related to the adequacy of Harbor-related services, infrastructure needs and management efficiencies. The Humboldt Local Agency Formation Commission adopted the Municipal Service Review in September, 2012.

National Oceanic and Atmospheric Administration, Coastal Services Center Humboldt Bay Historic & Cultural Resource Characterization & Roundtable | 2008

Reference Title	Christina Hoffman NOAA CSC, Project Manager
Phone Email	(510)251-8391 Christina.Hoffman@noaa.gov
Address	200 Granby Street, Rm. 800 Norfolk, VA 23510

Planwest coordinated with the Center for Indian Community Development (CICD) to develop a characterization of Humboldt Bay documenting historic sites, traditional and modern cultural practices related to the bay, and human dimension data gaps and needs. This included convening a regional roundtable of natural resources management professionals, applied social scientists, and stakeholders to identify human dimension related data gaps and applied social science approaches necessary to integrate historic and cultural information into ecosystem based management decision-making for the region.

The nationally recognized study including the following: the project methodology; Humboldt Bay Characterization; outcomes from the regional roundtable; a methodology that could be used to conduct an extensive cultural and historical inventory of the Humboldt Bay region; potential outreach opportunities (e.g., Humboldt Bay Symposium) and relevant organizations that would be interested in the information contained in the report. See attached Cultural and Historical Resource Assessment for Ecosystem-Based Management poster.

Crescent City Harbor Planning and Recreational Use Development | 2006-Present

Reference Title	Richard Young Crescent City Harbor District Harbormaster CEO
Phone Email	(707) 464-6174 xt 24 richard@ccharbor.com
Address	101 Citizens Dock Road Crescent City, CA 95531

Planwest has been providing contract planning services to the Crescent City Harbor District since 2006. This includes processing coastal development permits and plan amendments with Del Norte County. Most recently Planwest provided mapping services to the Crescent City Harbor District for a Local Coastal Program Amendment. Planwest also prepared a General Plan Amendment (GPA) for the Harbor District which facilitated implementation of the Harbor Master Plan. This amendment supplemented the Master Plan Land Uses which are consistent with the adopted Del Norte County General Plan Land Uses.

Developing the Seedbed for Arcata's Emerging Entrepreneurs | 2011

Reference Title	Larry Oetker City of Arcata, Community Development Director
Phone Email	(707)822-5955 loetker@cityofarcata.org
Address	736 F Street, Arcata, CA 95521

Planwest, in conjunction with Greenway Partners, prepared 'Developing the Seedbed for Arcata's Emerging Entrepreneurs'. This study received an award in 2012 from the Northern Section of California APA. The study identifies ways in which Arcata can create a supportive social and economic infrastructure, and culture, in which people here can learn how to think and act like entrepreneurs. The Project team reviewed entrepreneurship research and had conversations with 40 local and regional entrepreneurs, educators, and economic development professionals. The objective was to provide both general and specific program and strategies recommendations can be developed in the years ahead to help strengthen the ecosystem for local entrepreneurs.

The report has five main components: entrepreneurship education, local economic trends and the knowledge economy; innovation, resilience and adaptation, the value of networking, regional innovation efforts; trends, human and social capital needs, and opportunities in the Film and Digital Media, Green Technology and Innovation, Management and Innovation, and Specialty Agriculture, Food and Beverage sectors; plans for two physical facilities, the Arcata Innovator Space and the Arcata Management and Innovation Center; and recommendations for fertilizing the seedbed in which entrepreneurs grow.

Arcata Economic Development Strategic Plan & Update | 2004-2005 & 2008-2009

Reference Title	Larry Oetker City of Arcata, Community Development Director
Phone Email	(707)822-5955 loetker@cityofarcata.org
Address	736 F Street, Arcata, CA 95521

The Planwest consulting team prepared a citywide economic development strategy that pragmatically integrated land use and economics with the city's mission statement and economic development guiding principles and goals. Strategic Plan preparation included: compiling an economic indicator database to help identify trends and economic assets; building an economic assets layer compatible with the city's GIS database; applying economic and planning perspectives to interpret business industry information; soliciting community interest and building support at key points in the planning process; developing an appropriate set of strategies that accomplish General Plan objectives and carry out economic policy; preparing a vacant and underutilized land inventory for target industries; developing neighborhood based implementation measures for land acquisition by Arcata to facilitate future development; and delivering a plan supported by the community and unanimously approved by the City Council.

The City of Arcata Economic Development Strategic Plan received the 2005 American Planning Association California Chapter Northern Section award for Outstanding Planning: Planning Implementation for Small Jurisdictions. In making the award, the jury made a special note of the partnerships that were formed through the strategic plan process and the shared responsibilities defined in the implementation section.

After preparing the City of Arcata Economic Development Strategic Plan in 2004, Planwest and Dr. Hackett prepared an update to the plan in 2009. The update included an extensive baseline economic development profile that detailed the demographic make-up of the city. It also included a chapter on economic development assets, differentiating between business and employment assets and community assets and also considered the city's economic conditions, opportunities, and challenges. The update also included a detailed assessment of targeted industries, targeted areas, and tasks for partner agencies with an implementation matrix.

Crescent City Harbor District Municipal Service Review and SOI Update | 2009

Reference Title	Richard Young Crescent City Harbor District Harbormaster CEO
Phone Email	(707) 464-6174 xt 24 richard@ccharbor.com
Address	101 Citizens Dock Road Crescent City, CA 95531

Planwest, serving as Del Norte Local Agency Formation Commission (LAFCo) staff, prepared the Crescent City Harbor District Municipal Service Review (MSR) and Sphere of Influence (SOI) Update, which was approved by the Commission in November 2009. The purpose of this study is to examine and evaluate local governmental services in order to improve overall understanding of local service conditions and to enhance these conditions through comprehensive review and analysis. This MSR presents for the Commissions' consideration a discussion, analysis, and recommendations regarding services provided by the District. The SOI is co-terminus with the District Boundary, both of which are County-wide.

The MSR defined Crescent City Harbor characteristics, including lands granted by the State Lands Commission (SLC) to the Harbor District and lands owned fee and title by the District. The characterization included physical features such as the 4,100-foot outer breakwater, a 12,000-foot inner breakwater, and a 2,400-foot sand barrier, all of which combine to create the only "harbor of refuge" between Humboldt and Coos Bay, supporting a Coast Guard search and rescue station, commercial and sport fishing, and recreational boating. The MSR documented CCHD ownership and control of both land and tideland properties at Crescent Bay, Crescent Beach, Whaler's Island and the breakwater, encompassing approximately 150 acres.

The MSR also characterized critical uses most notably commercial fishing activities, which play a vital role in the Del Norte County economy. The Crescent City Harbor serves as a commercial boat basin for salmon, shrimp, tuna, cod, and Dungeness crab fishing vessels, as well as a basin for recreational watercraft. The Harbor is also home to multiple fishing and non-fishing related businesses and Harbor District offices.

MSR findings and determinations recognized that Del Norte County is in a state of transition from resource production to a tourism and recreation services-based economy. The CCHD Harbor Master Plan, updated in 2006 emphasizes the District's intention to retain and improve existing harbor facilities in support of commercial fishing and recreational boating, while expanding coastal related visitor serving uses in the Harbor. These new uses have the potential of generating the revenue necessary to keep the CCHD economically viable, sustaining its ability to meet its mandates under the State Tidelands Grant and the California Coastal Act

Humboldt Local Agency Formation Commission Staffing Services | 2007-present

Reference Title	Virginia Bass Humboldt LAFCo Chair, County Supervisor
Phone Email	(707)499-5000 vbass@co.humboldt.ca.us
Address	825 5 th Street, Eureka, CA 95501

Planwest provides contract staffing services to Humboldt LAFCo. Planwest staff has significant experience in the preparation, management and review of the SOIs and of MSRs for each city, fire protection district, water district, sanitary district, and other special districts in Humboldt County. These reports contain an analysis of infrastructure needs and deficiencies, financing constraints and opportunities, and government structure options. Current responsibilities include managing the MSRs and SOI updates for all of the cities and districts within Humboldt County, preparing and conducting LAFCo meetings, answering LAFCo phone lines, maintaining the LAFCo website, securing and updating insurance for the Commission, preparing the budget and tracking Commission expenses, and keeping keep current on LAFCo policies at state level.

Additional References

Reference | Title Don Ehnebuske | Redwood Region Economic Development Commission, Executive Director
Phone | Email (707) 445-0550 | don@rredc.com
Address 520 E Street Eureka, CA 95501

Reference | Title Michael Kraft | North Coast Small Business Development Center, Executive Director
Phone | Email (707)445-1163 | Kraft@northcoastsbdc.org
Address 520 E Street, Eureka, CA 95501

Reference | Title Jay Parrish | City of Ferndale, City Manager
Phone | Email (707)786-4224 | citymanager@ci.ferndale.ca.us
Address 834 Main Street, P.O. Box 1095, Ferndale, CA 95536

Compensation

Rate Schedule 2013

All fees charged on a time and materials basis – average hourly rate: \$64.

PLANWEST PARTNERS HOURLY RATE SCHEDULE 2013	
Staff Position	Rate Per Hour
Lead District Planner	\$104.00
Senior Economist	\$110.00
Community Outreach Specialist	\$65.00
Special District Planner	\$65.00
Planner/Services Analyst	\$55.00
Contract Water/ Wastewater Systems Advisor	\$55.00
Contract Fire/ Emergency Services Advisor	\$55.00
Assistant District Planner	\$55.00
Planning Technician	\$48.00
GIS Technician	\$48.00
Administrator	\$45.00



Resumes

Team Resumes

Resumes are included for the following core team members*:

- ◆ George Williamson, AICP, Lead District Planner
- ◆ Dr. Steven Hackett, District Economist
- ◆ Melanie Rheaume, Assistant District Planner
- ◆ Colette Metz, Community Outreach Specialist
- ◆ Vanessa Blodgett, Planner/Services Analyst
- ◆ Christina Wile, GIS Technician
- ◆ Stephen Tyler, Water/ Wastewater System Specialist
- ◆ John McFarland, Emergency Response Specialist

*All team members possess a valid Class C or higher California driver's license.

Work Products

Example Work Products

While not specifically requested in the Request for Proposals, two examples of work products are enclosed. The first is a poster developed by Planwest for the Humboldt Bay Historical & Cultural Resource Characterization and Roundtable prepared for the NOAA Coastal Resources Center. The poster, titled Cultural and Historical Resource Assessment for Ecosystem-Based Management, was featured at a national level NOAA Workshop.

The Second is a map of Humboldt Bay Harbor District properties prepared for the District's Municipal Services Review and Sphere of Influence Update, updated to include the recently acquired site for the proposed National Marine Research and Innovation Park.

George Williamson AICP

Lead District Planner

Qualifications

Mr. Williamson, Principal Planner and owner of Planwest Partners Inc., has over 35 years of experience working as a public agency and private sector planner in California, Oregon, Washington and Arizona. Mr. Williamson moved to Humboldt County in 1997, to start Planwest Partners after more than twenty years as an agency and consulting planner. For the last fifteen years, he has been involved in Humboldt County community planning and economic development activities. His community, land use and transportation planning experience offers a broad perspective when engaging organizations, agencies and stakeholders in developing investment, capacity and implementation strategies. He has both principal and project management experience, with expertise in community development, land use and environmental planning, and community involvement and facilitation strategies. He is an American Institute of Certified Planners (AICP) and American Planning Association (APA) member.

Experience

Humboldt & Del Norte Local Agency Formation Commissions. Serves as Executive Officer providing contract staffing services to the Humboldt & Del Norte Local Agency Formation Commissions. This includes providing staffing services to Humboldt LAFCo since 2007 and Del Norte LAFCo since 2008. As Executive Officer George oversees preparation of Commission meeting packets, annexations and reorganization reviews. He has been involved in the preparation of more than 45 municipal services reviews and sphere of influence updates for member organizations.

Humboldt Peninsula Services Study. George, serving as Humboldt LAFCo Executive Officer, led the preparation of the Humboldt Peninsula Services Study, which considered different ways of reorganizing existing service providers on the Humboldt Peninsula. The study examined existing and planned services, considered how services could be provided most efficiently, and evaluated opportunities to restructure services that may result in increased service levels on the Humboldt Peninsula. Participants included the Samoa Peninsula and Arcata Fire Protection Districts, Manila Community Services District, the Humboldt Bay Municipal Water District and multiple property owners.

Smith River, Crescent and Fort Dick Fire Protection District MSRs and SOI Updates.

George, serving as Del Norte LAFCo Executive Officer, led the concurrent preparation of the Smith River, Crescent and Fort Dick Fire Protection District MSRs and SOI Updates. George worked directly with the fire chiefs to discuss services, response areas, and aid agreements and proposed boundary adjustments to improve district response times. Included were several SOI expansions for the Crescent and Smith River FPDs to match the district's out-of-district response areas. All parties agreed that the proposed SOI expansions would better represent the actual response areas of the districts, improving coordination with neighboring fire service providers, land use authorities, the public and other service providers. These MSRs and SOI Updates were approved by the respective FPD Boards and by Del Norte LAFCo in February 2012.



Steven C. Hackett, Ph.D.

Principal Economist

Qualifications

Dr. Hackett has nearly a quarter century of experience as a PhD-trained economist with progressively increasing responsibilities. His professional roles have ranged from faculty member and senior consulting research economist to chair of several academic departments and service as associate dean. Dr. Hackett has served as principal investigator, project director, lead author, or senior supervising economist on numerous scholarly works, technical reports, policy studies, environmental documents, strategic plans, general plans, and economic development plans. He received the 2005 Scholar of the Year award at HSU for work relating to environmental and natural resource economics, energy economics, and the economics of sustainability. His work is collaborative, interdisciplinary, and focused on resolving significant policy dilemmas. Clients and funders have included organizations such as the National Science Foundation, NOAA Fisheries, the California Department of Fish and Wildlife, the California Energy Commission, the Headwaters Fund, and a variety of local jurisdictions. He has collaborated with Planwest on economic development and strategic planning projects for almost 10 years.



Recent Project Experience

Renewable Energy Economics and Policy

Lead Economist, Planning for Renewable-Based Energy Security and Prosperity in Humboldt County, California Energy Commission Public Interest Energy Research Program RESCO grant, 2009-12.

Founding Committee (Board) Member, Humboldt Energy Independence Fund (HEIF), 2008-11.

Author, Wave Energy White Paper Chapter (Economic and Social Considerations for Wave Energy Conversion in California), California Energy Commission, 2008.

Lead Economist, Wind and Hydro Energy Feasibility Study for the Yurok Tribe, US Department of Energy (DoE), 2008-11.

Fisheries Economics and Policy

Spiny Lobster FMP Economics Analysis, 2012-13.

Sustaining Fishing Communities by Enhancing Value in a Landings-Constrained Environment, 2012-14.

Project Director, the Economic Structure and Impact of California's Commercial Fisheries, California Department of Fish and Game (CDFG), 2007-09.

Project Director, the Economic Structure of the Salmon Troll Fishery in California and Oregon, NOAA Fisheries, 2007-08.

Subcontractor to King and Associates, Economic Impact of the Cosco Busan Oil Spill on the Commercial Fishing Industry, 2007.

Co-Project Director, California's Dungeness Crab: Conserving the Resource and Increasing the Net Economic Value of the Fishery, California Sea Grant College Program grant, 2001-04.

Sub-award Director, Socio-Economics of the California Wetfish Industry, California Seafood Council, 2001.

Contributions to Environmental Documents

Draft Environmental Impact Statement, Corporate Average Fuel Economy Standards, NHTSA, 2008.

Draft Environmental Impact Statement, Glyphosate-Tolerant Alfalfa, USDA APHIS, 2008.

Draft Environmental Impact Report, Ridgewood Village, County of Humboldt, 2008.

Economic Analysis of Alternatives, Programmatic Environmental Impact Report (PEIR), City of Fortuna General Plan Update, 2007-08.

Economic Development

Lead Economist, Economic Development Strategic Plan Update, City of Arcata, 2008-09.

Lead Economist, Economic Development Strategic Plan, City of Rio Dell, 2008.

Lead Economist, Economic Development Element, Background Report, and Issues and Opportunities Report, City of Fortuna General Plan Update, 2005-08.

Lead Economist, Economic Development Strategic Plan, City of Arcata, 2004.

Sustainability

Dr. Hackett created a course on the economics of sustainability at HSU, and has taught it for the last 16 years. The last third of his textbook (in its 4th edition) is addressed to the economics of sustainability. He has led the infusion of sustainability in the Business School curriculum. He has published several articles in the *Encyclopedia of Sustainability* and is recognized as one of the campus leaders in sustainability at HSU.

Administrative Leadership

In addition to the many years of research and consulting project leadership described above, he also has 11 years of progressively increasing administrative responsibilities as an academic program coordinator, department chair for three different departments, and associate dean of a college containing eight departments. As a Business School Chair he helped rebuild and transform the program to infuse sustainability across the curriculum, and directly supervised 20 faculty and staff and an annual budget of more than \$1.5 million. In addition to more than a million dollars of research and contract funds, he also helped secure almost \$1 million in major gift donations for the Business School between 2011 and 2012.

Sample Publications

Hackett, S., L. Scheidler, and R. Garcia Jr. *Humboldt County as a Renewable Energy Secure Community: Economic Analysis Report*. Report CEC-500-2013-020. Sacramento, CA: California Energy Commission, 2013 (at <http://www.energy.ca.gov/publications/>).

Hackett, S. "Weak vs. Strong Sustainability: Concepts and Indicators." In D. Fogel, S. Fredericks, and L. Harrington (eds.) *Encyclopedia of Sustainability, Volume 6: Measurements, Indicators, and Research Methods for Sustainability*. Great Barrington, MA: Berkshire Publishing Group, 2012.

Hackett, S., *Environmental and Natural Resources Economics: Theory, Policy, and the Sustainable Society*, 4th Edition (New York: Sharpe, 2011).

Hackett, S., D. King, M. Hansen, and E. Price. *The Economic Structure of California's Commercial Fisheries*. Technical Report under Contract P0670015, California Department of Fish and Game, Sacramento, CA. 2009.

Hackett, S. "Economic and Social Considerations for Wave Energy Development in California." In P. Nelson and L. Engeman (eds.) *Developing Wave Energy in Coastal California: Socio-Economic and Environmental Effects*. Report CEC-500-2008-083. Sacramento, CA: California Energy Commission, 2008, pp. 23-49.

Kellermann, J., M. Johnson, A. Stercho, and S. Hackett. "Ecological and Economic Services Provided by Birds on Jamaican Blue Mountain Coffee Farms," *Conservation Biology*, 22(5), 2008, 1177 - 1185.

(For a complete list of publications, please visit <http://users.humboldt.edu/hackett/cv.pdf>)

Melanie Rheume

Assistant District Planner

Qualifications

Ms. Rheume is an Assistant Planner at Planwest Partners where she has been involved in environmental and planning analysis primarily on municipal projects. While completing her degree, Melanie completed field work on the Mendocino Coast, including project reviews in the towns of Mendocino, Caspar, Point Arena, and Fort Bragg. Her degree in Sustainable Development included in-depth studies and projects involving transportation planning, a key component of Sustainable Development. Melanie offers expertise in water systems assessment through her academic studies and her work for the City of Ferndale. She has been instrumental in developing the Planned Resources Management service for Planwest. This includes contributing to the strategic plan and research on payback cycles for infrastructure and system upgrades.

Years of Experience: 3

Education

B.S. Natural Resources Planning and Interpretation/Sustainable Development, Humboldt State University, 2008

Certifications/Training

Statewide Energy Efficiency Collaborative Climate Action Planning Training Series, 2012

Experience

Del Norte LAFCo Regional Fire Protection District Municipal Service Review and Sphere of Influence Update. *Del Norte County LAFCo.* Currently coordinating a countywide second round municipal service review for fire protection services in Del Norte County. Prepared individual requests for information (RFI) and sent to each fire protection district. RFI acknowledged district specific information still current from the prior MSR and provided maps for each district showing boundary and sphere of influence. Serving as coordinator for Del Norte LAFCo during RFI responses and incorporating information into a regional MSR framework.

Humboldt Bay Harbor, Recreation and Conservation District Facilities Inputs for the Regional Transportation Plan Update. *Humboldt Bay Harbor District, Eureka CA.* Currently serving as Planwest Partners project coordinator to the District for incorporating plans to improve transportation facilities into the Regional Transportation Plan (RTP) Update currently in preparation by the Humboldt County Association of Governments. This includes adapting information on roadway segments to be improved to Major Collector Status, into the Goods Movement Element of the RTP. This also involves drafting objectives language for improved marine transport and demonstrating compliance of proposed facilities upgrades with overall RTP economic, environmental, efficiency and safety objectives.

Ferndale Contract City Planner. *City of Ferndale, CA.* Serves as City Planner for the Victorian village of Ferndale as part of Planwest Partner's contract services agreement with the City. This includes reviewing and processing applications requiring discretionary approval, preparing staff reports and providing staffing services at Planning Commission and City Council meetings. Also provides support services to the Design Review Committee for projects within the design overlay zone and within the Main Street area designated as a historic landmark. Works with the City engineer on infrastructure issues and recently completed the General Plan Safety Element and Draft Sign Ordinance.

Colette Metz

Community Outreach Specialist

Qualifications

Ms. Metz is a planner and outreach specialist whose experience includes leading local and regional outreach initiatives and communication efforts related to community, land use, environmental and transportation planning. She co-creates targeted messaging, outreach materials, and strategies to engage a variety of stakeholders. As a project coordinator, she works with federal, state and local agencies, non-profit organizations, and diverse individuals and stakeholder groups around complex issues. Her professional experience includes developing branding, web site, newsletter and multi-media information for outreach and communication strategies focused on public awareness. She also manages workshop preparations and handles coordination and collaboration to successfully communicate key program elements and accomplishments with stakeholders. She has experience administering surveys, conducting stakeholder interviews and facilitating outreach activities to collect quantitative and qualitative data. Ms. Metz's planning experience includes the preparation and processing of municipal service reviews for special districts, environmental compliance documents, opportunities and constraints analyses, needs assessments, policy development, and the facilitation of community outreach and education programs associated with many of these activities. She is well versed with public facilities and municipal services through her work as administrator to the Local Agency Formation Commissions of Humboldt and Del Norte Counties.

Years of Experience: 6

Education

B.S., Natural Resources Planning and Interpretation, Humboldt State University, 2008

Certifications/Training

National Charrette Institute, Charrette System Certificate, 2011

Humboldt Area Foundation, Cascadia Leadership Program, 2012

Memberships

American Planning Association

Vice President of Education,

Eureka Lunch-Brunch

Toastmasters

Founding Member, North Bay Rotaract

Experience

Local Agency Formation Commission (LAFCo) Contract Staffing Services. *Humboldt and Del Norte LAFCos.* Conducts special studies such as municipal service reviews involving inter-agency coordination; prepares agendas and staff reports for Commission meetings; and implements policies and procedures for carrying out LAFCo functions. Oversees application and petition processing and analysis for LAFCo action involving changes of governmental organization and reorganization, such as district formations and annexations. Represents LAFCo at stakeholder meetings and makes presentations to LAFCo and other local governments at public hearings.

Municipal Service Review for the Humboldt Bay Harbor, Recreation and Conservation District. *Humboldt LAFCo.* Assessed existing harbor-related services, facilities and programs, and collected background information pertaining to the Harbor District's formation, powers and services. Coordinated with District staff to review existing service conditions and future planning for expanded harbor use, recreational opportunities, and bay conservation.

Humboldt Bay Peninsula Services Study. *Humboldt LAFCo.* Evaluated service needs and reorganization alternatives for special districts located on the Humboldt Bay Peninsula. Examined existing service conditions

and evaluated alternative service delivery concepts, such as district consolidation. Conducted stakeholder interviews and facilitated a stakeholder meeting to inform and select a preferred service option.

City of Fortuna 2030 General Plan Update. *City of Fortuna.* Assisted with policy document review proceedings and program environmental impact report preparation for the Fortuna General Plan Update. Supported planning commission and city council review of goals, policies and implementation programs for economic development, community design, transportation, natural and cultural resources, recreation and open space, public facilities, and health and safety elements.

Proceedings for the Formation of Fire Protection Districts. *Humboldt LAFCo.* Administered LAFCo processing and review of four separate petitions from local volunteer fire companies seeking LAFCo approval of district formation.

Regional Fire Protection Municipal Service Review. *Humboldt LAFCo.* Coordinated with three fire protection districts to review organizational capacity and service needs, and to identify opportunities to increase revenues through annexation or other funding mechanisms.

Humboldt County Regional Trails Master Plan. *Humboldt County Association of Governments.* Worked with a multi-disciplinary team to develop a plan for active transportation connections within and between communities in Humboldt County. Assisted with stakeholder interviews, focus groups, and public meetings to characterize a regional trail vision and identify trail development obstacles and opportunities.

Humboldt County Regional Blueprint Planning Project. *Humboldt County Association of Governments.* Participated in conducting a community awareness and engagement campaign which consisted of high school involvement, public workshops, community survey, website development, social media marketing, public service announcements and informational material. A Blueprint Advisory Committee was formed to oversee community outreach efforts.

Eel River Valley Multigenerational Community Center Feasibility Study. *McLean Foundation.* The community outreach program included two public workshops, 80 stakeholder interviews, 16 focus groups, and development of public service announcements and informational campaign. Assisted with gathering and assessing Eel River Valley community input that informed Community Center support, roles and needs.

Humboldt Coastal Trail Implementation Strategy. *State Coastal Conservancy.* Participated in the community outreach program that included stakeholder identification, stakeholder interviews and five community outreach meetings.

Humboldt County Transportation Corridor Preservation Concepts Report. *Humboldt County Association of Governments.* Participated in two corridor preservation pilot projects that included stakeholder identification, agency interviews and focus group meetings.

Vanessa Blodgett

Planner/Services Analyst

Qualifications

Ms. Blodgett is an Associate Planner with Planwest Partners Inc. She has experience working with national, state, private, and local agencies on resource management, community infrastructure and planning projects. Vanessa has expertise in land use planning and environmental compliance and mitigation monitoring programs subject to the California Environmental Quality Act (CEQA). Her knowledge and leadership in policy development and program implementation has shaped outcomes for projects such as the City of Ferndale Wastewater Treatment Project; the Samoa Town Master Plan; the City of Arcata Land Use Code; and the City of Ferndale Historical and Cultural Resources and Safety Element Updates. Her planning experience includes the preparation and processing of planning documents, environmental permits, environmental impact reports, mitigated negative declarations, and policy analysis.

Years of Experience: 7

Education

B.A., Environmental Studies/
Earth Sciences, University of
California Santa Cruz, 2005

Certifications/Training

Humboldt Area Foundation,
Cascadia Leadership Program
2011

Experience

El Medio Fire Protection District Municipal Service Review Update and SOI Plan. *Butte LAFCo, Oroville, CA.* Prepared an administrative Draft MSR Update and SOI Plan for the El Medio Fire Protection District (FPD). The district serves an area of approximately two square miles of mostly urbanized unincorporated territory immediately south of, and adjacent to, the City of Oroville. The District boundaries are currently within the City of Oroville SOI and the District's northeast corner is within city limits. The District has proposed to increase its SOI by approximately 2,700 acres. The prior MSR had included a 'zero sphere' determination due to insufficient levels of service, training and operating revenues. The MSR Update analyzed status of, and opportunities for, shared facilities with both the City of Oroville and CAL FIRE, which manages the Butte County Fire Department.

Ferndale Wastewater Treatment Facility Environmental Documents. *City of Ferndale, CA.* Served as project coordinator to prepare environmental documentation for the City wastewater treatment facility upgrades. The facility upgrades are necessary for the City to meet Regional Water Quality Control Board (RWQCB) waste discharge requirements. Coordinated activities with the RWQCB staff during the planning and permitting process. Responsible for CEQA compliance as well as all other environmental impact analysis and/or documentation required for this project. Prepared an Initial Study and Mitigated Negative Declaration for the City of Ferndale, as lead agency for the project.

Arcata Rail with Trail Connectivity Project Constraints Analysis, Initial Study and MND. *City of Arcata, CA.* Coordinated the preparation of the Environmental Constraints Analysis, Initial Study and MND for a proposed 4.5-mile long Class I, ADA accessible, non-motorized multiuse paved trail in Arcata. Was part of a team that worked to develop a trail design and management plan that would allow the trail and railroad to co-exist. Significant challenges to the project included a number of water and wetland crossings that would be necessary to design and permit and providing designs to allow users to cross roads and the railroad tracks in a safe manner. Coordinated with team members, identified/compared environmental constraints along the trail corridor for each of the trail alignments considered, and prepared several sections of the Initial Study.

Christina Wile

GIS Technician /Administrator

Qualifications

Ms. Wile is a GIS Technician/Administrator at Planwest Partners where she has been involved in spatial and technical analysis. Her Natural Resources Planning and Interpretation degree included developing spatial analysis, database management and interactive web mapping techniques. She minored in Computer Science and received training in remote sensing. She offers expertise in administrative and mapping services. She excels at data visualization, and can effectively compile and organize spatial data for use in planning analysis.

Planwest Experience

Ferndale Deputy City Clerk Services and City Planner Support. *City of Ferndale, CA.* Provides administrative and policy support for City Staff, City Council, Planning Commission, committees and the public. Coordinates the production of legislative agenda packets and meeting minutes. Issues routine permits and licenses, and administers the City's records management system. Implemented a GIS system and spatial database.

Del Norte Local Agency Formation Commission Mapping Services. *Del Norte County LAFCo.*

Currently assisting in coordinating a countywide second round municipal service review for fire protection services in Del Norte County. Developed countywide map including each district's boundary, sphere of influence and fire stations. Supporting coordinator by incorporating information into a regional Municipal Service Review framework. Created detailed maps of Del Norte County Fairgrounds by integrating Community Service Area boundaries, digitized utility data and aerial photo analysis.

Samoa Town Master Plan Mapping Services. *Samoa, CA.* Worked with project coordinator to develop study area, and biological survey maps. Interpreted biological survey, wetland, and invasive plant boundaries from GPS data, aerial photography and county datasets.

Relevant Coursework

Advanced, Intermediate & Intro GIS
Environmental Law & Regulation
Grant Proposal Writing

Public Land Use Policies & Management
Environmental Impact Assessment
Database Design & Implementation

Prior Experience

Yurok Tribe, Klamath CA Historical Aerial Photo Analysis Intern

Prepared historical aerial photographs for use within a GIS system. Constructed a file geodatabase and appended images to feature classes. Georeferenced aerial photographs and created a mosaic of the study area. Digitized areas of interest to quantify change over a large time scale (1948 - 2013). Supplied maps for burn management plans.

Country Living Florist

Provided bookkeeping, tax reporting, payroll (QBooks) and inventory management for six years.

Leadership

Humboldt State University Geospatial Club Officer (Secretary, Vice President, President)



Stephen Tyler

Water/ Wastewater Systems Specialist

Qualifications

Mr. Tyler has 30 years of professional experience in Municipal/ Special Districts/ Community Services Administration, Fiscal Management and Operations. Extensive experience in areas of budgeting, capital improvement projects, contract administration, fund development, grant administration, public relations, resolution/ordinance development, service fee structure development and stormwater/water/ wastewater maintenance and operations. Currently Mr. Tyler is a project manager with Planwest Partners where he advises the City of Blue Lake on water, wastewater, and other infrastructure systems. He reports directly to the City Manager. He has served on boards for the Arcata Fire Protection District and Humboldt Fish Action Council, and has been a member of the California Water Pollution Control Association, American Public Works Association, American Water Works Association, and Humboldt County Integrated Solid Waste Management Task Force.

Experience

City of Arcata 1979 – 2005

Acting City Manager/Interim City Manager 1995 –2005

Responsible for the administration, management and operation of The City of Arcata. Acting City Manager for 2-4 weeks per year. City Council appointed Interim City Manager from April 2000 – October 2000. Subordinate staff approximately 100 full-time and 30 part-time employees. Annual City budget= approximately \$10 – 25 million.

Director of Environmental Services Department 1992 – 2005 (Retired) Responsible for the administration, management and operation of the Environmental Services Department. The department programs included community recreation, creeks/wetland management, energy management, forest management, GIS mapping services, land acquisition, recycling/solid waste management, stormwater/water/wastewater treatment. Subordinate staff: 24 full-time and 16 part-time employees. 2005/2006 department budget = \$6.5 million.

Deputy Director, Department of Public Works 1989 – 1992 Responsible to oversee administrative and daily operations for the departments central garage and stormwater/water/wastewater treatment divisions. The divisions programs included city fleet maintenance and repairs, new vehicle and equipment acquisition, hazardous materials management, stormwater/water/wastewater treatment and federal/state/county regulatory compliance. Subordinate staff: 12 full-time and 4 part-time employees. 1991/1992 divisions budget = approximately \$2.0 million.

Operator, Department of Public Works 1979 – 1988 Responsible for daily operations and maintenance of all equipment in the water/wastewater treatment division. The division programs included sampling, testing, reporting and monitoring all water/wastewater treatment equipment. Support staff 3 full-time and 1 part-time employees.

Years of Experience: 30

Education

B.S. Biology, University of California, Santa Cruz.

Licenses/Certifications

CA State RWQCB Wastewater Treatment Operator Grade III, 1975-2013

CA Water Environment Assoc. Wastewater Collection System Maintenance Grade III, 1980-2005

CA Dept. of Health Services Water Treatment Operator Grade III, 1985-2005

CA EPA Hazardous Materials 40 CFR License, 1995-2005

John H. McFarland

Emergency Response Specialist

Qualifications

Mr. McFarland has over 40 years of professional fire service experience. Additionally, he has acted as a fire service consultant on numerous projects including providing local agency information for a major consulting project involving Del Norte and Humboldt County local agencies interacting with Sovereign Nations during declared emergencies. Mr. McFarland also worked closely with Humboldt County Public Works to provide adequate fire protection and life safety services for the Eureka – Arcata Regional Airport at McKinleyville, CA. He collaborated with Planwest on the Arcata Fire Protection District MSR, which resulted in an expanded District SOI. He worked through a ten year review of Arcata Fire Protection District with ISO to determine Arcata Fire's insurance ratings. Mr. McFarland worked towards the creation of what became a Regional Hazardous Materials Response Team serving two counties and eight cities.

Experience

Arcata Fire Protection District Fire Chief 2005 – 2012 (Retired)

Managed full service combination fire protection district. Provided Fire Chief services to the City of Arcata and duty officer coverage to multiple districts. Fire ground incident commander; coordinated automatic aid and contracts; coordinated successful benefit assessment election; managed State University fire protection; provided disaster preparedness and response guidelines; appointed to County Fire Safe Council; served as president of the Humboldt County Fire Chief's Association.

Crescent Fire Protection District Fire Chief 2002 – 2005 Managed full service volunteer district and provided duty officer coverage to District and Crescent City. Served as fire ground incident commander; oversaw joint operations with Crescent City Fire Department; coordinated automatic aid contracts; coordinated successful benefit election; represented all County fire agencies to Del Norte County; served as president of Del Norte County Fire Chief's Association.

City of Eureka Fire Department Fire Chief 1994 – 2002 Managed Full Service Municipal Career Fire Department; managed City Emergency Operations Center; managed Regional Hazardous Materials Response Team; managed Fire Protection Contracts; provide duty officer coverage to City and District. Served as fire ground incident commander for City and District; oversaw joint operations with Humboldt No. 1 Fire Protection District; oversee Port of Humboldt Bay Fire Protection; coordinated automatic aid contracts; served as president of the Humboldt County Fire Chief's Association.

City of Eureka Fire Department 1970 – 1994 Started as a firefighter with the City Fire Department and progressively worked up to become Fire Chief. Served as firefighter, fire engineer, fire captain, fire prevention officer, platoon commander (battalion chief), fire ops commander (assistant chief), and interim chief.

Years of Experience: 40+

Education

B.A. Humboldt State University

Licenses/Certifications

Fire Science Certificate

Emergency Management & Operations, Disaster Recovery

Fire Management, Prevention, & Investigation

Fire Command, Fire Instructor, Strike Team Leader

Hazardous Materials

EMT, National Fire Academy Field Programs

CULTURAL AND HISTORICAL RESOURCE ASSESSMENT FOR ECOSYSTEM-BASED MANAGEMENT

Zac Hart, LM, Systems Group at the NOAA Coastal Services Center
Christina Hoffjan, The Baldwin Group at the NOAA Coastal Services Center
Rebecca Pollock, NOAA Coastal Services Center
Susan Schuman, California Sea Grant Extension Program
Tiffany Wilson, PlanWest Partners, Inc.

Introduction

Ecosystem-based management, or EBM, is becoming a preferred approach to managing coastal and ocean ecosystems. One of the most commonly cited principles of EBM is the incorporation of human uses and values into management processes. In the many coastal areas with strong historical or cultural ties to local natural resources, communities can assign great value to the preservation of those linkages. Several important yet challenging first steps to preserving the linkages are documenting historical and cultural information, uncovering gaps in the understanding of those topics, and identifying preservation priorities.

The National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center funded a cultural and historical resource assessment in Northern California. The watershed in Northern California, The assessment was a collaborative effort of the Center, a private consulting firm based in Arcata, California, and representatives of the Humboldt Bay Initiative, a regional initiative to design an ecosystem-based management framework for the area and develop proposals on high-priority issues.

Methods

The assessment began with the preparation of a background report documenting the area's ethnogeography, ethnography, history, and current cultural resources. Prepared by the consulting firm PlanWest Partners, Inc., this report was developed through a review of historical documents on the area combined with 50 semi-standardized interviews with a host of Humboldt Bay user groups.

User groups targeted for interview included various ethnic groups, participants in local festivals, recreational bay users, and individuals involved with natural resource extraction and use in and around Humboldt Bay. Interview questions pertained to patterns, resource values, economic significance, cultures, cultural significance, management, development of Humboldt Bay, and willingness to participate in Humboldt Bay public forums. The interview schedule also included questions related to further research methods, for example, cultural groups were asked about the best methods to contact other members of their group, and the best time of year to initiate contact. Interview responses were analyzed qualitatively for emergent ideas and themes.

The second assessment method was a regional roundtable discussion that included representatives of local governments, Native American tribes, universities, nongovernmental organizations, and the private sector. Modeled after a similar NOAA-funded workshop at the Mission-Aransas National Estuarine Research Reserve, the roundtable began with presentations on the Humboldt Bay Initiative, the history of the Humboldt Bay area, and the potential uses of information on cultural and historic resources. Facilitated breakout groups followed, with facilitators posing similar, open-ended questions to participants to prioritize their areas of interest in the context of cultural and historic resources. Afternoon breakout groups focused on priority topics, assessing the current situation, identifying needs and opportunities, and generating ideas for next steps.

Results

The background report produced through this project established a clearer vision of historical Humboldt Bay conditions as well as the changes that have occurred over time, both of which inform a better understanding of the Bay's current environmental status. Additionally, an understanding of the Bay's uses throughout recent history helps to illuminate current uses of the Bay, the "sense of place" held by Bay residents, and opinions on what constitutes acceptable use.

Results of the 50 semi-standardized interviews with Humboldt Bay user groups identified a number of recurrent perceptions and opinions, which are discussed in detail in the full project report (see links below). Although far from a representative sample of Bay users, survey responses from this project can generally

- Assist with assessment of management and policy impacts
- Clarify understanding of what drives the community's resource stewardship, as well as the "trade-offs" that user groups are willing to make
- Establish focal points for communication among stakeholder groups
- Generate public support and volunteerism through engagement in the project

The roundtable identified three specific, recurring areas of participant concern, along with an assessment of the current situation for each and suggestions for next steps or further inquiry. The roundtable results are detailed in the full project report, and the three specific areas of interest, expressed by participants are below. Each interest area was discussed in the context of historical and cultural resource preservation and was explored using probing questions posed to the groups.

- Planning and decision-making for Humboldt Bay
- Local ways of life (e.g. fishing, timbering, and agriculture/ranching) around Humboldt Bay
- Assessment of current and historical uses of Humboldt Bay

The full project report, which is available to all Humboldt Bay stakeholders, is available for free download at

www.eco.noaa.gov/coastalassessment/humboldt_bay/Final_Report.pdf and
http://www.eco.noaa.gov/coastalassessment/humboldt_bay/Final_Report.pdf

Discussion

The background report generated through this project provides a much needed reference on the Bay's culture and history. The interviews and roundtable discussion identified stakeholder concerns and information needs, and more broadly, generated important cultural and historical information to inform the local EBM program. While targeted uses of the project output have yet to be determined, the project supports the science-based approach of the Humboldt Bay Initiative. Possible uses of the information suggested at the roundtable include the following:

- Further inventorying of existing resources and identifying information gaps
- Communications and messaging on historical and cultural resource preservation
- Consensus building and goal setting for historical and cultural resource preservation
- Comprehensive planning and zoning
- Strategies for economic development using historical and cultural resources
- Development of community indicators for monitoring the status of the ecosystem



In addition to aiding local EBM efforts, assessments such as this help NOAA and others learn about coastal communities' needs related to human dimensions information and applications, which ultimately informs NOAA's efforts to provide the information necessary to apply EBM approaches to coastal management.



Finally, the method used in this project offers high potential for transferability. The approach generally includes an assessment of baseline conditions to serve as a focal point for highly interactive problem identification, idea generation, and visioning by stakeholders. The method has been successfully applied in other contexts, most recently in the establishment of social science research priorities at the Mission-Aransas National Estuarine Research Reserve, and we hope that others will find the approach helpful in generating information needed to support ecosystem-based management of coastal areas.



Humboldt Bay Harbor Recreation and Conservation District: Harbor Facilities

0 1 2 Miles

Source: Imagery - USDA NAIP20102
Roads - ESRI & US Census TIGER Data 2010



Redwood Dock
Berth 1

Proposed National Marine
Research and Innovation Park

Redwood Dock
Berth 2

Woodley
Island
Marina

Park Street
Mitigation Area

King
Salmon
Beach

Fields
Landing
Dock

Shelter Cove

Boat Launch

Location
Map

Detail Area

Inset Map

101

Inset Map

