

## **REPRESENTATIVE PROJECTS**

### **Wetlands and Ecological Restoration**

- Served as project manager for the Oro Loma Wetland Restoration project on behalf of the Port of Oakland. Prepared Phase I and Phase II site assessments and a Phase II sampling plan which reflected the projected activities required for wetland creation, including soil excavation and disposal, and sampling at the projected future wetland surface. The sampling was consistent with the Wolfenden and Carlin criteria. GAIA performed the sampling on the heavily overgrown, unstable site, and provided a report summarizing the data and providing recommendations for further action.

### **EIR/EIS Preparation**

- Acted as Project Director for the development of the EIR for the Port of Oakland's Joint Intermodal Terminal (JIT) project. As Project Director, Ms. Dougherty was responsible for overall direction of the project team, including subcontractors, to ensure personnel resources, appropriate technical staff, and negotiations to keep the tight scheduled project on track. Ms. Dougherty also participated in the project as a Senior Scientist, providing research on project description, and developing and providing QA/QC for various resource text sections.
- Participated as a Senior Scientist in the development of the EIS/EIR for the Port of Oakland's -50' dredging project. Provided support to water quality and hazardous waste sections. Prepared risk evaluation tables and data summary tables for human health and risk section.

### **Knowledge of Natural Resources**

Ms. Dougherty brings exceptional knowledge of the issues pertaining to Bay/Delta and greater California micro-scale and macro-scale ecosystem restoration. Her knowledge covers current practices, and restoration issues, methodologies, goals, and implementation. She is currently enrolled in the new UC-Berkeley Extension certificate program in *California Watershed Management and Ecological Restoration*. Her course work will be completed in Fall 2001, and she will be the first graduate of the program. A list of completed course work can be found on the last page in the section entitled "Specialized Training."

The program has been designed in response to CalFED, and Propositions 12 and 13, as well as the nationwide emphasis on wetland, stream, river, and habitat restoration. The program concentrates on real world applications and field study. It covers a wide variety of

## **June M. Dougherty**

### **AREAS OF EXPERTISE**

- **Wetlands and Ecological Restoration**
- **Preparation of EIR/EISs**
- **Watershed Management**
- **Site Investigation and Implementation of Remedial Actions**
- **EBS, FOSL, and FOST Preparation**
- **Industrial Hygiene**
- **Health and Safety for Environmental Projects**
- **Environmental Training**
- **Corporate Health and Safety Programs**

### **Education:**

B.S., Environmental Science,  
Drexel University,  
Philadelphia, Pennsylvania, 1986

California Watershed Management and Ecological  
Restoration Certificate Program -  
U.C. Berkeley Extension (completion Fall 2001)

**Years of Experience: 15**

## **EXPERIENCE SUMMARY**

June M. Dougherty is President of GAIA Consulting, Inc. She is an environmental scientist with over 14 years experience in environmental consulting. She has performed environmental numerous site assessments and environmental compliance audits. She has participated in the development of major EIR/S(s) in the Bay Area involving the Port of Oakland and the US Army Corps of Engineers, as both a Project Director and a Senior Scientist. She has extensive experience in health and safety program implementation, industrial hygiene permitter and off-site air monitoring assessments, health and safety plan preparation, environmental training, remedial site activities, and site investigations for various types of sites. In addition, Ms. Dougherty has experience preparing BRAC (EBS, FOSL, FOST, and FOSET) documents.



## **REPRESENTATIVE PROJECTS**

settings throughout California, and focuses on the Bay/Delta restoration. The emphasis is on leading edge technical (water quality, hydrology, biology), regulatory, legal, and socioeconomic issues.

### **Site Investigation and Implementation of Remedial Actions**

- Developed Phase II sampling program for undeveloped property being considered as a wetland restoration site. Addressed wetland creation requirements and hazardous substance due diligence requirements. Managed sampling field sampling efforts in marshy, overgrown area. Prepared report documenting results of investigation and provided recommendations for future action.
- Performed air monitoring, and sampling of soil, sludge, drums, lagoons, surface water and groundwater at numerous sites, including underground storage tank sites. Constituents of concern included VOCs, SVOCs, petroleum products, pesticides/herbicides, PCBs, metals, corrosives, dioxins/furans, asbestos, mixed waste, and medical waste. Also performed on-site characterization for RCRA classification.
- Project manager for remediation and disposal of hazardous waste at federal and state Superfund sites, and RCRA Corrective Action sites. Projects included in situ fixation for a two-acre site impacted by heavy metals and a removal action at an abandoned chemical warehouse.
- Site manager and technical coordinator for 2-million-square-foot industrial site asbestos abatement project. Managed pre-abatement program consisting of site survey, drawings, specifications, proposal and sampling. Responsibilities also included coordination of site activities, budget control, staffing, schedules, and liaison with clients and contractors.

### **EBS, FOSL, and FOST Preparation**

- On behalf of the Port of Oakland, led preparation of EBS and assisted with preparation of FOSL for Fleet and Industrial Supply Center Oakland, Lease Areas 2A and 3A. Conducted site visit, document review, and data evaluation. Coordinated activities with Navy representatives. Assisted with preparation of risk evaluation and negotiated lease restrictions with regulatory agencies. The EBS and FOSL

were completed within three months. Subsequently assisted with preparation of two additional FOSLs for Lease Areas 3B, 3C, and 4A and Lease Areas 4 and 5 at FISC Oakland, based on EBS prepared by another consultant.

- Prepared FOSLs for two areas at former Naval Station Treasure Island (NSTI). Conducted site inspection to update existing EBS, researched missing information, prepared document text, and evaluated data. Both FOSLs were completed in 3 months to meet the lease schedule.
- Provided technical and editorial QA/QC review for numerous several EBSs, various FOSLs, and a FOST.

### **Industrial Hygiene/Air Monitoring/Health and Safety for Environmental Projects**

- Prepared health and safety plans for hundreds of sites throughout the United States. Compounds of concern included chlorinated and aromatic solvents, semivolatile organic compounds, heavy metals, petroleum compounds, PCBs, pesticides and asbestos. Determined monitoring requirements, personal protective equipment requirements, decontamination procedures, and chemical, dust and noise action levels.
- Performed area, perimeter, off-site air monitoring and personnel for many compounds at numerous superfund and remediation sites. Perimeter and off-site monitoring conducted to establish exposure potential for the public. Constituents included heavy metals, (arsenic, lead, chromium) diesel particulates, semi-volatiles, and pesticides. Monitoring techniques included both direct (OVA, dust meter, PID, FID) and indirect (particulate filters, cassettes, charcoal tubes, dosimeters) monitoring instruments. Negotiated with Cal-OSHA and DTSC regarding monitoring frequency, instrument type, compounds of concern, and analytical methods to ensure compliance with Cal-OSHA and DTSC requirements for on-site worker and off-site resident protection.
- Provided site health and safety supervision and monitoring for numerous projects, including asbestos abatement projects. Monitored sites requiring up to Level B personal protection. Supervised various types of site activities, such as excavation; confined space entry, in situ fixation of soil; demolition

## **REPRESENTATIVE PROJECTS**

and removal of arsenic and lead contaminated building; Class III landfill excavation; and excavation and remediation of multi-acre dump site contaminated with H<sub>2</sub>S, methane, lead and volatile organic compounds. Monitoring activities included personnel monitoring, perimeter monitoring, and monitoring of off-site constituents.

- Performed health and safety/OSHA audits for automotive manufacturing, printed circuit board manufacturing, and chemical processing facilities, pipeline pump stations, and refinery and petroleum storage facilities.

### **Industrial Hygiene for Operating Facilities**

- Industrial hygiene experience includes industrial hygiene sampling for noise, radiation, biological elements, and numerous chemical constituents including petroleum distillates, chlorinated and aromatic solvents, heavy metals, acids, semivolatile organic compounds, PCBs, asbestos, pesticides/herbicides, and proprietary chemicals. Facilities included chemical R&D laboratory work environment, field monitoring for toxic and hazardous pollutants at petroleum refineries and pumping stations, indoor lead abatement in operating warehouse, pipe coating operations and circuit board manufacturing. Produced and critiqued Material Safety Data Sheets (MSDS) and training manuals. Also performed Indoor Air Quality/Sick Building Syndrome surveys in office buildings for several clients.

### **Environmental Training**

- Developed OSHA 1910.120 course for various companies. Created course text, training materials and presented classes for ERM, Levine-Fricke, and Geoline. Presented 40-hour HAZWOPER training, supervisor training, and annual refresher training. Conducted extensive, customized OSHA 1910.120 training for clients and for subcontractors working on remediation projects. Also developed and presented Emergency Response Training for technicians.
- College Instructor at Mission College in Santa Clara, California. Lead Instructor for Industrial Hygiene and Occupational Health Course. Course topics include: industrial hygiene measurement techniques, instrument technology, exposure pathways, occupational toxicology, and OSHA regulatory standards.

### **Corporate Health and Safety Programs**

- As Corporate Director of Health and Safety for ERM, Inc., ERM-West, Inc., and Levine-Fricke, Inc., conducted internal training, established policies, created health and safety plans, and provided oversight and monitoring of field/site remediation activities. Responsible for legal compliance, including medical monitoring and respiratory protection programs. Constituents of concern addressed by health and safety programs included halogenated and aromatic VOCs, heavy metals, SVOCs, petroleum products, pesticides/herbicides, PCBs, dioxins/furans, asbestos, mixed waste, medical waste, and corrosives. Prepared health and safety plans for confined spaces and explosive environments.
- Developed in-house health and safety program for Subsurface Consultants, Inc. Developed policies and implementation procedures, and delivered training (including right-to-know, IIPP, and OSHA 8-hr. Refresher Training). Set up medical monitoring program.

**REPRESENTATIVE PROJECTS**

**Specialized Training**

Certificate: **California Watershed**

**Management and Ecological Restoration,**

U.C. Berkeley Extension

Completion: Fall, 2001

Completed course work:

- Determining Federal Wetlands Jurisdiction
- Legal and Regulatory Foundation for Managing Aquatic Ecosystems
- California Hydrology
- TMDL in California Rivers
- Hydrologic & Geomorphic Processes in Stream Restoration
- Watershed Assessment: Effects of Urbanization on Streams and Lakes
- Ecological Restoration of California Rivers and Streams
- California Water Management Ecological Restoration
- Endangered Species Act and Water Resources Issues
- Funding Sources for Environmental Restoration

OSHA Supervisor Training, ERM-West, Inc.,  
(trainer 1992-1996)

OSHA 8-hour Annual Refresher, (as trainer  
1988-2000)

Indoor Air Quality/Sick Building Syndrome,  
U.C.-Berkeley Extension, 1991

HVAC/Air Flow Measurement, U.C.-Berkeley  
Extension, 1991

Effective Communication Seminar, ERM-West,  
1991

Environmental Regulation, Executive  
Enterprises, 1989 CAA, CWA, CERCLA,  
RCRA, TSCA, NEPA, SARA

Technical Writing Seminar, Roy F. Weston, 1987

OSHA 40-hour Hazardous Waste Site  
Operations Training, Weston Services, Inc.,  
1986

**Affiliations**

Member, Society of Ecological Restoration

Member, Bay Area Environmental Safety Group

Member, Society of American Military Engineers

Member, Professional Environmental Marketers  
Association