



ENGINEERING • PLANNING • ENVIRONMENTAL SCIENCES

*NEPA/SEPA Documentation*

*Endangered Species Act*

*Section 106 Historic Preservation*

*Clean Water Act Section 404 and  
Nationwide Permits*

*Clean Water Act Section 401  
Water Quality Certification*

*River and Harbors Act Section 10*

*NPDES Construction  
Stormwater Permit*

*Shoreline Substantial  
Development Permit*

*Innovations in  
Permit Streamlining*



**Parametrix**

## Permitting and Environmental Documentation

Parametrix successfully guides clients through the often complex and confusing process of obtaining permits and approvals. We are experts in preparing documentation to comply with National and State Environmental Policy Acts and related laws, statutes, and policies; and we are an authority on permit regulations, agency requirements, and application procedures, as well as how permitting agencies function. Because environmental compliance is a staple of what we do, we have developed close working relationships with many agency and local jurisdiction staff. We integrate permitting requirements into our design projects from the start, further helping to streamline the compliance process. Early contact with agency staff allows us to set up lines of communication, educate agencies about a project's purpose and need, and to establish a mutual understanding of what will be expected during the environmental compliance process. We create concepts that avoid, minimize, and/or mitigate environmental impacts when technically and economically feasible.

### Project Examples

#### **Oregon Department of Transportation Bridge Replacement Strategy – OR**

Parametrix, working with the Oregon Department of Transportation (ODOT), developed a new streamlined environmental compliance approach to replacing and repairing 400 bridges across the state. We facilitated workshops with multiple federal, state, and local agencies, during which we clarified existing barriers and shortcomings in the environmental permitting process and developed a new and better approach to meet the missions of all agencies and stakeholders. Parametrix negotiated programmatic permits and developed a mitigation program to cover the major federal and state permitting requirements for all of the bridges in this \$1.3 billion program, thus removing permits and mitigation from the critical path. ODOT estimates this approach will cut at least two years off the program delivery schedule and save millions of dollars.

#### **Sinclair Inlet Restoration – Kitsap County, WA**

The restoration of Sinclair Inlet, a brownfields demonstration pilot project, reclaimed degraded shorelines, remediated contaminated industrial properties, established new salmon habitat, and restored the degraded Gorst Creek estuary. Parametrix assisted in securing grant money, designed the remediation and shoreline restoration, and obtained permits and approvals including a Corps of Engineers (COE) Section 404 permit, Washington Department of Fish and Wildlife Hydraulic Project Approval, Ecology Section 401 Water Quality Certification and Consistency with the Coastal Zone Management Act Certification, and Kitsap County Shoreline Substantial Development permit.

#### **Alpine Development NEPA EIS and Permitting – AK**

Parametrix prepared a NEPA EIS and permits for a new oil drilling and processing facility on the North Slope, including a crude oil processing plant, housing for employees, maintenance facilities, in-field oil gathering lines, gas injection and waterflood pipelines, roads, an airstrip, and a 34-mile oil pipeline. The project evaluated the main Alpine drill site and a satellite drill site. Parametrix obtained numerous permits and approvals for the project from federal, state, and local agencies.

## **Alaskan Way Viaduct Permitting Strategy – Seattle, WA**

Parametrix led the effort to prepare a permit guide and permitting strategy for the Alaskan Way Viaduct replacement project. The guide identifies federal, state, and local permits and approvals that could potentially be necessary for the project and provides specific information for each permit/approval including regulatory authority, approval criteria, prerequisite considerations, application procedure, permit fee, permit duration, extension procedure, permit review process, timeline, public process, and appeal process. We prepared an additional permit strategy report, providing an overview of permitting challenges, the activities triggering permits, the project permit team and organization, change management strategies, development and negotiation of permit conditions, tracking permit and mitigation commitments through construction, risk management, permit close out, and formal agency coordination.

## **Kalauao Stream Flood and Permit Report – Pearl Harbor, HI**

Parametrix developed the permit and NEPA requirements section of a report that investigated sediment and debris blockage and flooding at the mouth of Kalauao Stream in Pearl Harbor. The investigation also examined a utility crossing near the mouth, which was causing flooding due to debris accumulation. The permitting report included information on the NEPA process and permit requirements under the following laws: Clean Water Act Section 401 and 404, Fish and Wildlife Coordination Act, River and Harbors Act Section 10, Endangered Species Act Section 7(a), the National Historic Preservation Act Section 106 and Coastal Zone Management Act.

## **Cama Beach State Park – Camano Island, WA**

Parametrix prepared environmental documentation and obtained permits for a new 438-acre state park. Several significant environmental issues were involved including potential impacts to sensitive areas such as wetlands, shorelines, and a stream, and impacts to archaeological resources and historic structures. Extensive coordination with federal and state agencies, two Indian tribes, and Island County was involved to obtain permits and approvals.

## **LOTT Wastewater Treatment Plant EIS and Permitting – Olympia, WA**

After Parametrix prepared the initial EIS for upgrades to this wastewater treatment plant, LOTT decided to add tertiary treatment (nitrogen removal) and to incorporate the use of UV for disinfection rather than chlorine. They also decided to evaluate other options for relocating the outfall from the treatment plant including extending the line so the outfall would occur in deep water outside Budd Inlet, which had existing water quality problems. Thus, Parametrix prepared a supplemental EIS and obtained the following permits/approvals for the outfall: a joint Thurston County/City of Olympia Shoreline Substantial Development permit, Washington Department of Fish and Wildlife Hydraulic Project Approval permit, and COE Section 10 and 404 permits.

## **North Creek Trail – Snohomish County, WA**

This 8-mile trail connects McCollum Park at Mill Creek's northern city limit to the Sammamish River Trail in Bothell. It involved connecting several existing short trail segments, as well as improving some of the older trail segments. Parametrix prepared the environmental documents, including compliance with both NEPA and SEPA, and obtained permits and approvals from federal, state, and local jurisdictions. Permits included a COE Nationwide 44, Ecology Section 401 Certification and NPDES Construction Stormwater Permit, Department of Fish and Wildlife Hydraulic Project Approval, and Shoreline Substantial Development, Right-of-Way, and Clear and Grade permits from three local jurisdictions.



### **OFFICE LOCATIONS**

**Colorado**  
Denver

**Idaho**  
Boise

**New Mexico**  
Albuquerque  
Las Cruces

**Oregon**  
Albany  
Portland

**Washington**  
Bellevue  
Bremerton  
Lacey  
Sumner

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