

# JONES ASSOCIATES

Foresters, Surveyors and  
Environmental Consultants



## STATEMENT OF QUALIFICATIONS

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## **STATEMENT OF QUALIFICATIONS**

### **THE FIRM**

Jones Associates, Inc., (JAI) is an environmental, surveying and forestry consulting firm established in 1988 by Rick Jones in Poland Spring, Maine. JAI's services include: environmental permitting; wetland delineation and mitigation design; vernal pool assessments; wildlife studies; forest management plans and prescriptions; sensitive site timber harvesting; erosion control and permit compliance; land surveying; GPS surveying; and GIS creation and support.

For more than 20 years, we have worked with the private (commercial, industrial and individual landowners) and government sectors (federal, state and municipal). JAI's highly qualified professionals are experienced in explaining their findings before various forums. Our success is built on identifying potential environmental impacts and designing balanced solutions that are both environmentally sound and economically efficient.

Projects designed and managed by JAI have varied in complexity from single-issue land use questions to multi-faceted resource evaluations requiring inter-agency review. Our knowledge of state and federal environmental rules and regulations, backed by a strong working relationship with government agencies, bolsters a reputation for reliable and comprehensive technical services.

Jones Associates is constantly involved with projects that require multi-discipline expertise. Our understanding of multiple natural resource management objectives ensures that we address all potential aspects of any project in a timely and reliable manner.

Rick Jones, a state licensed, nationally certified professional forester and wetland scientist, has extensive experience with sites that contain important natural resources. For more than 20 years, he has worked on environmental assessment; wetland delineation; vegetation surveys; erosion control on disturbed sites; construction impact assessments; federal, state and local permitting; forest management consultation; and timber harvesting, specializing in low-impact logging and removal of trees from fragile sites.

## **PROJECT MANAGEMENT AND ENVIRONMENTAL PERMITTING CAPABILITY**

### Environmental Permitting and Compliance

- Maine Land Use Regulatory Commission Re-Zoning Permits
- Maine Land Use Regulatory Commission Development Permits
- Maine Land Use Regulatory Commission Compliance Inspections
- MDEP NRPA & ACOE Wetland Impact Permits
- MDEP Gravel & Quarry Extraction Permits
- MDEP Compliance Inspections

### Project Planning and Project Supervision

- Land Use Planning
- Phosphorus Control Plans
- Erosion Control Plans
- Stormwater Management Control Plans
- Shoreland Zoning Requirements
- Permitting in direct watersheds of public water supplies
- Buffer Maintenance and Management Plans
- Project presentation for various audiences
- Post approval implementation of development plans

### Compliance

- Erosion Inspection During Construction
- Setback Compliance Inspection
- Permit Compliance -- Federal, State and Local
- BMP Compliance Inspections
- Forest Practices Act Compliance
- Land Use Planning

Jones Associates, Inc. has demonstrated capabilities in designing, managing and conducting both large and small projects which have varied in complexity from single-issue land use questions to multi-faceted resource evaluations requiring inter-agency review. The firm's knowledge of state and federal environmental rules, regulations and permit requirements aids in ensuring clients are in compliance with applicable permits. JAI works with the landowner and contractor throughout layout and construction phases of a project to avoid potential costly delays in the later stages of the project.

## WETLANDS CAPABILITY

### Resource Area Determination

- Wetland Border Identification
- Species Identification
- Water Budget Analysis
- Flood Control Functions
- Prevention of Pollution
- Wetland Mapping
- Quantitative Documentation
- Hydrologic Significance
- Ground Water Supply Functions
- Storm Damage Control

### Resource Evaluation

- Resource Types
- Public and Private Water Supply
- Flood Control
- Prevention of Pollution
- Protection of Land Containing Shellfish
- Ecosystem Functions
- Groundwater Supply
- Storm Damage Prevention
- Protection of Fisheries
- Protection of Wildlife Habitat

### Project Planning

- Performance Standards
- Mitigation Design and Oversight
- Best Management Plans
- Trade-off Analysis

### Permitting

- Applications Preparation
- Impact Analysis
- Hearing Presentations
- Support Documentation
- Report Preparation
- Expert Testimony

### Vernal Pools

- Vernal Pool Identification
- Vernal Pool Enhancement
- Vernal Pool Restoration
- Obligate Species

Wetlands, ponds, lakes, and streams currently receive protection by Federal, State, and Local regulations. Both public and private projects must meet strict standards of environmental acceptability. The types of wetlands present on your project site may affect the extent and type of development potential. Each project and project site is unique, and Jones Associates, Inc. will work with you to identify viable options that will lead to successful project completion.

## **FORESTRY AND VEGETATIVE ANALYSIS CAPABILITY**

### Resource Area Determination

- Identify site indexes
- Determination of Age Classes
- Storm Damage Control
- Identify, Map and Evaluate Overall Health of Stand Types
- Identify Stand Types
- Boundary Surveys and Deed Research
- Endangered Species

### Resource Evaluation

- Invasive Species Identification
- Cruising
- Stand Volumes
- Best Management Practices
- Aesthetic Evaluations
- Tree Disease Identification
- Stand Types
- Wildlife Evaluations
- Continuous Forest Inventory

### Planning

- Management Plans
- Wood Yard Construction
- Wood Roads Construction
- Closing Road and Yards
- Harvesting Contracts
- Invasive Species Identification
- Water Crossing

### Permitting

- Harvesting in Shoreland Zone
- Clearing Wooded Sites for Construction
- Permitting in Direct Watershed of Public Water Supplies
- Tree Growth Tax Law
- Municipal Harvesting Permits
- Intent to Harvest Applications

### Implementation

- Timber Sale
- Carrying Out Harvesting Activities
- Prescribed Burning
- Marketing of Wood Products
- Timber Stand Improvement
- Invasive Species Control

Under Federal, State, and Local regulations, many projects are required to evaluate forestry resources. Forests provide a multitude of salable materials, wildlife habitat, soil protection, and are aesthetically important. Careful protection and enhancement of the forests will inevitably lead to increased project values. Jones Associates, Inc. can evaluate your resources and work with you to enhance and utilize these resources for the improvement of your project.

## SURVEYING CAPABILITY

### Land Surveying

- Land Title and Boundary Surveys
- Family and Estate Planning Division
- Land Records Research
- Mortgage Loan Inspection
- Subdivision Planning and Layout

### Engineering Surveying

- Topographical Surveys
- Complete Engineering Support Services
- FEMA Flood Hazard Boundary Determination
- Site and Construction Surveys
- Elevation Certificates

### GPS Surveying

- Precise Geodetic Location
- Wetland Boundary Location
- Forestry Cover Type Location
- +/- 10 mm accuracy
- Property Boundary Location
- Stream Channel Location

### GPR Surveying (Ground Penetrating Radar)

- Utility Locating and Mapping
- Bedrock Surfacing Profiling
- Archaeological Site Location
- Snow and Ice Depth Profiling
- Subsurface Assessments & Encroachments
- Examination of Structural Integrity of Roads
- Underground Storage Tank
- Buried Drum Locating

### GIS (Geographical Information System)

- AutoCAD GIS Coverage Creation
- Topological Map Overlay
- Cartographic Map Creation
- Map Projection Conversions
- Creation of Digital Coverage Information to Display Land Features
- Database Creation, Integration and Maintenance

All land development projects start with having the property surveyed, determining where the boundaries are, determining encroachment and identifying unique characteristics of the land being developed. It is imperative that all development projects start on a firm base of land identification and monumentation. Jones Associates Inc. can provide all surveying functions to help you achieve project success.

## **EROSION CONTROL CAPABILITY**

### Site Evaluation

- Watershed delineation
- Storm water design
- Phosphorus Control Design
- Culvert Placement
- Buffer Design

### Project Planning and Permitting

- Erosion Control Plans
- Phosphorus Control Plans
- Stormwater Management Control Plans
- Shoreland Zoning Requirements
- Permitting in direct watersheds of public water supplies
- Buffer Maintenance and Management Plans

### Project Implementation

- Temporary Erosion Controls during Timber Harvesting
- Implementation of permanent and temporary erosion controls
- Use of Best Management Practices to avoid and minimize soil disturbance
- Monitoring

Under Federal, State, and Local regulations, many projects are required to evaluate erosion control measures to protect resources. Careful protection of the resources surrounding a watershed will protect the future viability of the watershed. Jones Associates, Inc. evaluates, plans, and implements erosion control measures on a regular basis. Best Management Practices for erosion control are always used for any project involving soil disturbance.