

Summary of Qualifications

Arboricultural & Urban Forestry Consulting

Tree Solutions Inc. is a Seattle-based environmental consulting firm, with a satellite office in central Oregon. We are dedicated to helping people live with trees. We provide a science-based, objective approach to tree evaluation and management, grounded in years of experience with tree pruning and removal, land development, and landscaping. With eight highly-skilled arborists on staff, our team has the capacity to complete projects on deadline while accommodating a variety of budgets. We provide the following services:

Tree Risk Evaluation, Diagnostics, & Health Management

We specialize in tree diagnostics using state-of-the-art evaluation tools that give us information on the interior condition of the tree, including sonic tomography, micro-resistance drills, and Static Integrated Assessments (“tree pulling”). These tools, combined with our scientific approach, help us identify which trees are valuable assets, and which are of concern. Unlike most consultants, we are able to climb trees using non-intrusive methods and can perform aerial inspections in search of decay and other potential defects.

Our arborists are all qualified to use the current Tree Risk Assessment method established by ISA (International Society of Arboriculture). This allows us to help our clients make educated choices about tree retention, as well as file applications for removal permits with municipalities. We also work closely with plant pathologists, soil scientists, and treatment labs, enabling us to make broad-based and accurate assessments of tree health and condition, as well as providing effective treatment plans.

Tree Retention for Construction Sites

We provide tree protection services for residential and commercial construction. This service begins with an accurate assessment of the tree’s health and critical root zone. We evaluate all of the potential impacts of the proposed development activities, and work closely with project architects and engineers to determine final plans and develop a set of written tree protection specifications. We provide supervision of construction near protection zones, root pruning as needed, follow-up inspections, and onsite advice for handling unforeseen tree protection problems.

Environmental Sensitive Areas (ECA)

We routinely develop restoration plans for vegetated steep slopes, shorelines and wetlands. We coordinate with wildlife biologists and geo-engineers and can develop extensive vegetation management plans, incorporating protection for eagle nest / roost trees. We keep up to date on rules and regulations affecting tree management in Environmental Sensitive Areas (ECA) and Natural Growth Protection Areas (NGPA) and are versed at preparing SEPA (State Environmental Protection Act) documents.

Inventory & Vegetation Management Plans

We inventory and assess trees on a variety of sites: college campuses, golf courses, homeowners association-managed tracts, undeveloped parcels, city right-of-ways, and residential properties. We have GIS/GPS capabilities and can collect data for short or long-term management goals. We can develop a formal Vegetation Management Plan including an analysis of vegetation data, goals and objectives, tree replanting palettes, protocols and maintenance schedules. Principal Sean Dugan is an expert in municipal tree ordinances in Washington State and offers tree-related policy development and implementation services.

Vegetation Restoration & Mitigation Plans

We design and help implement plans for retaining or restoring natural areas and related native understory plants in landscapes. We are a valuable adjunct to the planning team, by assisting surveyors in completing accurate tree surveys, and by working with architects and engineers to meet environmental standards and ordinances. Our experience with restoration design includes preparing bid estimates, supervising planting and inspection of final results. Senior Arborist Holly Iosso has a B.S. degree in Landscape Architecture and is skilled at drawing plans.

Tree Appraisal & Expert Witness Services

We provide accurate valuations and appraisals of trees and plants for insurance claims or legal cases, most commonly using the Council for Tree and Landscape Appraisers Guide to Plant Appraisal, 9th Edition. We have used the Trunk Formula Method, Replacement Cost Method and Cost of Cure Method in hundreds of legal cases. We are able to make accurate replacement and restoration cost estimates because of our firsthand experience developing and managing bids for tree work and restoration projects. Principals Scott Baker and Sean Dugan have had expert witness training through the American Society of Consulting Arborists (ASCA), as well as experience testifying in court, depositions, and hearings.

Arboricultural Training & Education

Principals Scott Baker and Sean Dugan are both experienced public speakers and educators in the arboricultural industry. They have presented to arborists, homeowners, garden clubs, school groups and professional organizations; they have covered a wide range of topics, including tree biology, diagnostics, slope management, construction, tree-supported structures and zip-lines. Scott Baker is also certified to teach the 2015 ISA Tree Risk Assessment Qualification course internationally.

Treatments for Trees

Principal Sean Dugan is a Washington State Licensed Pesticide Commercial Applicator and Associate Haley Galbraith is a Licensed Pesticide Commercial Operator. They are qualified to apply soil treatments, growth regulators such as Cambistat®, and systemic insecticides.

Zip-lines and Tree Houses

Scott Baker is a member of ACCT (Association of Challenge Course Technology) and travels throughout the United States to assess trees supporting zip-lines, challenge courses and tree houses. We work with property owners, engineers and installers to use the latest support technology, minimizing damage to the trees. In some cases, we have been able to complete a preliminary assessment before a course is installed where we established a baseline condition of the trees. This has proved invaluable to our clients and has added value to our subsequent monitoring site visits.

Staff

Principal **Scott D. Baker**, company founder (2001):

- **Registered Consulting Arborist #414** with the American Society of Consulting Arborists (ASCA)
- **ISA Board Certified Master Arborist PN-0670B, ISA Qualified Tree Risk Assessor**
- **WSDA Licensed Commercial Pest Control Consultant #79897**
- Seventeen years experience as a consulting arborist
- Thirty-five years experience in commercial arboriculture
- As developer of Eagle Lake housing development on Orcas Island and several historic building renovations in Olympia, WA, (1987-1996), Scott has experience with site management issues, building codes, design, and construction.

Principal **Sean Dugan**:

- **Registered Consulting Arborist #457**
- **ISA Board Certified Master Arborist PN-5459B, ISA Qualified Tree Risk Assessor**
- **WSDA Licensed Commercial Pesticide Applicator #66773**
- **Master of Forest Resources**, emphasis in Washington State Municipal Tree Ordinance (2004)
- B.S. in Environmental and Forest Biology
- Seventeen years experience in arboriculture and landscape management
- Author: An Assessment of Municipal Tree Ordinance in Washington State. Olympia: WA Department of Natural Resources, Urban and Community Forestry Program, 2004.

Senior Associate **Holly Iosso**

- **Registered Consulting Arborist #567**
- **ISA Certified Arborist PN-6298A, ISA Qualified Tree Risk Assessor**
- A.S. in Landscape /Environmental Horticulture
- B.S. in Landscape Architecture
- Ten years experience in residential design, maintenance and site analysis
- Skilled in project management, graphic design, drafting, AutoCAD, and illustration

Associate **Haley Galbraith**

- **ISA Certified Arborist Municipal Specialist PN-7512AM, ISA Qualified Tree Risk Assessor**
- **WSDA Licensed Commercial Pesticide Operator #86856**
- B.S. in Environmental Science and Resource Management
- Three years experience in urban forestry planning and analysis

Associate **J. Casey Clapp**

- **ISA Certified Arborist PN-7475A, ISA Qualified Tree Risk Assessor**
- M.S. of Environmental Conservation, focus in Forest Resources and Arboriculture
- B.S. in Forest Management
- Two years experience in urban forest management

Associate **Katie Hogan**

- **ISA Certified Arborist PN-8078A, ISA Qualified Tree Risk Assessor**
- B.A. in Environmental Studies
- Three years experience in forest dynamics, field sampling techniques and rare plant identification

Associate **Katherine Taylor**

- **ISA Certified Arborist PN-8022A, ISA Qualified Tree Risk Assessor**
- WSNLA Certified Professional Horticulturist #2587
- WSNLA / WALP ecoPRO Certified Sustainable Landscape Professional
- Technical degree in Restoration Horticulture
- Three years experience in sustainable landscape education and consulting
- Four years field experience working with native ecosystems

Associate **Chris Madison** (Bend, Oregon)

- ISA Certified Arborist PN-7671A
- ISA Qualified Tree Risk Assessor
- Technical degree in Restoration Horticulture and Landscape Maintenance/Installation
- Two years experience in tree diagnostics and horticulture