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**PERSONAL RESUME****Lisa M. Palazzi**[lisampalazzi@gmail.com](mailto:lisampalazzi@gmail.com)

Home: 1603 Central NE  
 Olympia, WA 98506  
 360.534.9027 (home)  
 360.352.1465 (work)

**Education**

**1989 Master's degree in Soil Science:** Oregon State University, Corvallis, OR  
 Emphasis in Soil Physics<sup>1</sup> and Microclimatology, Minor in Forest Science

**1985 Bachelor's degree in Soil Science:** Montana State University, Bozeman, MT  
 Emphasis in Soil Physics and Geology, Minor in English Composition

**Certifications and Accreditations**

- Soil Science Society of America: Certified Professional Soil Scientist (CPSS)
- Society of Wetland Scientists Professional Certification Program: Professional Wetland Scientist (PWS)
- USGBC LEED Green Associate

***LISA M. PALAZZI, CPSS, PWS: BACKGROUND INFORMATION***

Ms. Palazzi was the past president and principal scientist of Pacific Rim Soil & Water, Inc. (since 1991). In late 2013, she accepted a position at SCJ Alliance in Olympia, WA.

Ms. Palazzi is a SSSA Certified Professional Soil Scientist (CPSS) and a Society of Wetland Scientists Certified Professional Wetland Scientist (PWS), and is an accredited LEED Green Associate. She has provided assistance in writing local and state-wide legislation and model ordinances that affect regulations about wetland and stream critical areas, stormwater and related hydrology issues. For over ten years, she was the Olympia-based legislative liaison for an ongoing effort to attain state-wide certification of professional soil scientists and professional wetland scientists (<http://www.soilandwetlandscientistcertification.net/>).

Ms. Palazzi's attained her Soil Science Bachelor's degree in 1985, graduating with highest honors from Montana State University. Her Master's thesis, completed at Oregon State University in 1989, was centered in forest science and soil physics -- the study of groundwater hydrology and heat transport in soils. Ms. Palazzi's background in post-graduate research included participation in an interdisciplinary team of Oregon State University scientists studying ecosystem function of riparian systems in disturbed watersheds of Oregon's Coast Range. The research was focused on assessment and management of fisheries habitat, erosion control processes, silviculture projects, and wildlife habitat enhancement. Later, working for the USFS PNW Research Lab in Olympia, Ms. Palazzi worked on statistical analysis of a large, long-term silvicultural fertilization database and on an extensive field project researching soil compaction and erosion effects in clearcut skid trails.

In 1991, she opened a soil science consulting business (Pacific Rim Soil & Water, Inc. [PRSW]), providing soils and hydrology assessment services through Washington State. She recently took a position with SCJ Alliance to fulfill a desire to use her skills on more complex and satisfying projects than were possible with a small niche firm. At SCJ Alliance, she will continue to provide services in soils, wetlands, hydrology, and related issues.

<sup>1</sup> Soil Physics is the study of water and heat movement through soil.

## RESEARCH AND WORK EXPERIENCE

### June 1991 to present: Consulting Soil Scientist and Wetland Scientist

#### **Soils and Hydrology Consulting:** *SSSA certified professional soil scientist (CPSS)*

- Expert Witness and/or advice in soil science, groundwater hydrology and wetland hydrology related cases at City, County, State and Federal level
- Soil hydrology studies for wetland mitigation projects –restoration, enhancement, or creation
- Soil physics studies to estimate percolation rates and determine suitability for septic treatment and/or stormwater treatment or infiltration
- Groundwater or surface water monitoring wells with dataloggers for stormwater system design
- Detailed Soil Mapping studies, necessary for determination of agricultural potential, or other soil-limited development activities
- Hydric (wetland) soil determinations on potential wetland sites
- Low Impact Development services as relates to effective protection of soil functions and management of stormwater
- Determination of surface and soil water quality control features for site specific stormwater or septic system design
- Soil assessment and sampling for hazardous waste conditions and cleanup
- Soil sampling for physical or chemical lab analysis
- Teach a variety of soils workshops: Groundwater and Surface Water Hydrology monitoring; Interpretation of hydric (wetland) soil characteristics; Erosion and sediment control plans; Basic local geology and related soil development; Interpretation of soil characteristics for septic system design.

#### **Wetlands Consulting:** *SWS certified professional wetland scientist (PWS)*

- Expert Witness and/or advice in wetlands regulations, permitting, hydric soils and wetland hydrology at City, County, State and Federal level.
  - Wetland delineation expert, trained in the 1987 Army Corps of Engineers method as well as recently published Regional Supplements to the 1987 Manual
  - Hydric soil and wetland hydrology assessment
  - Groundwater or surface water monitoring wells with dataloggers for determination of wetland conditions, as well as for wetland mitigation projects –restoration, enhancement, or creation
  - Wetlands rating, as per the Washington State Wetlands Rating System (1993 and 2004 methods)
  - Development and Design of wetland mitigation and restoration projects
  - Expert Witness in hydric soils and wetland hydrology related cases at City and County level
  - Teach Wetland and Hydric Soils Training Workshops: workshops in the new ACOE Regional Supplements to the 1987 Manual. hydric soils interpretation and description, groundwater monitoring, soil hydrology and related regulatory issues at any level of audience expertise
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## REFERENCES

### **Todd Stamm**

City of Olympia Sr. Planner  
P.O. Box 1967  
Olympia, WA 98507  
360-753-8314  
[tstamm@ci.olympia.wa.us](mailto:tstamm@ci.olympia.wa.us)

### **Gary Western, Att. at Law**

Wilson Smith Cochran  
Dickerson  
901 5<sup>th</sup> Ave., St 1700  
Seattle, WA 98164  
(206) 623-4000  
[western@wscd.com](mailto:western@wscd.com)

### **Eric Stockdale**

Wetlands/401 Unit Supervisor  
Department of Ecology  
160th Avenue SE  
Bellevue, WA 98008  
(425) 649-7061  
[esto461@ecy.wa.gov](mailto:esto461@ecy.wa.gov)