

# Scaling for Non-Scalers

Understanding the Scaling Process,  
Log Rules, Sorts, Grades and Accountability



*New for 2017...  
optional visit to  
log yard for  
first-hand look  
at scaling logs.*

*— See page 3*



# Scaling for Non-Scalers

## Understanding the Scaling Process, Log Rules, Sorts, Grades and Accountability

### WORKSHOP AGENDA

**Tuesday, September 19, 2017**

**9:00**

**Scaling Bureaus: How they operate and their role in log markets** – Tom St. Laurent

- How bureaus fit into the log buying and selling process
- Represent both the log buyers and sellers
- Apply log scaling rules
- Provide qualified scalers
- Serve as independent third parties

**9:30**

**What does a log scaler do?**

– Mike Belfry

- How scalers fit into the log transaction process (only measure volume, not value)
- What is their relationship to log buyers and sellers
- The different points in log transport where scaling can occur
- What is log volume and how is it calculated?
- What are the specific measurements and data collected on a typical log?
- Log documentation
- Understanding gross and net volume
- Why did my load scale out at a lesser volume? Reasons for volume deductions.

**10:30 Break**

**11:00 pm**

**Northwest Log Scaling Rules: Applying uniformity and standardization within the Doug-fir processing area**

– Tom St. Laurent

- Function and role of the rules
- What they cover
- How rules are maintained and revised
- How to use volume tables

**Noon Lunch** (included with registration)

**1:00 pm**

**Understanding log grades and sorts**

– Mike Belfry

- What is the difference between grades and sorts?
- Why do sorts vary from company to company?
- What is the difference between a good #2 sawlog and a rough #2 sawlog
- What is the pulp sort?
- What is a cull?

**2:00 Break**

**2:15 pm**

**Log accountability: Tracking the log load from landing to mill** – Mike Belfry

- How is data collected? Load receipts, weight reports, sample scales, sample expansion, log tags, scale tickets and certificates
- Understanding the paperwork: Examples will be provided of load receipts, scale tickets and certificates and each form will be reviewed in detail.
- What are the standard procedures for documentation and changes?
- How is the data stored, disseminated and accessed by clients?

**3:45 pm**

**Catch-all short topics** – Mike Belfry and Tom St. Laurent

- Difference between westside and eastside scaling
- Understanding cubic measurements
- Deciphering overrun and underrun
- Volume conversion factors
- Using taper factors and actual taper
- Scaler value and cost

**4:15 pm**

Workshop Adjourns



## About the Speakers

**Mike Belfry** has been a scaler and cruiser for over 35 years in the PNW. Most recently he was operations manager for the Pacific Log Scaling Bureau where he provided trained scalers for customer job sites. Before that position, Mike was National Forest Regional Measurement Specialist with the Tongass National Forest in Alaska. He has also owned his own professional services firm maintaining log inventories, and monitoring log utilization. Prior to owning his firm, Mike served as the Alaska Manager for the Pacific Rim Log Scaling Bureau where he maintained and trained a workforce of up to 50 employees and scalers throughout Alaska. He has a 2 year forestry engineering degree.

**Tom St. Laurent** has 41 years experience in timber measurements. Most recently he was the general manager for Yamhill Log Scaling and Grading Bureau for 21 years. He has also served as the secretary and then chair of the Northwest Log Rules Advisory Group. Tom has developed timber cruise and log volumes software. He has taught at the OSU Extension Tree School for 8 years. Tom has a B.S. in forestry from Humboldt State University.

## Optional Field Session at Log Yard

**September 20, 2017 • \$15 • 8AM - noon**

Spend the morning in a log yard with the workshop instructors for a first-hand look at how logs are scaled, deductions taken and volume determined on logs rolled out for the class. Logs exhibiting typical defects will also be available (processor breaks, frost cracks, sucker knots, slope of grain, sweep, crook and heart check). Each log will be pre-scaled to demonstrate the volume deducted for typical defects. No equipment will be operating in the yard.

Field session attendees will need to provide their own transportation to and from the log yard. The yard is about 25 miles NW from the workshop hotel and a 30 minute drive. Attendees are encouraged to bring a hard hat, work boots, rain gear and safety vest. Hard hats and safety vests will be provided if needed.

## REGISTRATION FORM

NAME \_\_\_\_\_

ORGANIZATION AND AFFILIATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PLEASE LIST ANY SPECIAL DIETARY NEEDS: \_\_\_\_\_

EMAIL \_\_\_\_\_ TEL \_\_\_\_\_

### Registration

	AMOUNT	
<b>ON or BEFORE 9/11/17</b>	<b>\$295</b>	_____
<b>AFTER 9/11/17</b>	<b>\$350</b>	_____
<b>Optional 9/21 log yard visit</b>	<b>\$15</b>	_____

### Questions?

Call 888-722-9416 or 503-226-4562  
or melinda@westernforestry.org

**Western Forestry and Conservation Association**  
4033 SW Canyon Rd. • Portland, OR 97221  
503-226-4562, 888-722-9416 FAX: 503-226-2515

Register at: [www.westernforestry.org](http://www.westernforestry.org)

### Payment Method

#### 1. Please make check payable to:

WFCA • 4033 SW Canyon Rd. • Portland OR 97221  
503-226-4562 • 888-722-9416 • FAX: 226-2515

#### 2. Purchase order # \_\_\_\_\_

3. Charge to:           MC           VISA           AmEx  
(please circle)

Account # \_\_\_\_\_

Expiration Date \_\_\_\_\_ Security Code \_\_\_\_\_  
(on back of card)

#### 4. Register at: [www.westernforestry.org](http://www.westernforestry.org)

**September 19, 2017 • Red Lion • Olympia, WA**



### **Workshop Location**

The workshop will be held at the Hotel RL (Red Lion) at 2300 Evergreen Park Dr SW, Olympia, WA.

### **Workshop Lodging**

Reduced rate rooms are available at \$109/single plus tax by calling (360) 943-4000 and mentioning Western Forestry and Conservation Association. After 8/15/2017 the reduced rate is subject to availability.

### **Registration**

The registration fee is \$295 if received by September 11, 2017 or \$350 after September 11. The registration fee includes a book of speaker materials, lunch and refreshments. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, and American Express are accepted. Tax id # 930-331-712.

### **Cancellations**

Cancellations received by September 11, 2017 are subject to a 15% service charge. Cancellations received after that time will be charged the entire registration fee, but substitutions are always welcome.

### **Society of American Foresters CFE credits:**

By attending this workshop participants will be eligible for 4.5 CFE hours in Category 1 through the Society of American Foresters.

### **Registration questions?**

Call Melinda at (888) 722-9416 or (503) 226-4562 or [melinda@westernforestry.org](mailto:melinda@westernforestry.org)

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