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|  | **Summer Low Flows in**  **Western Oregon:**  **Processes, Trends, Uncertainties, and Management Implications**  ***April 4, 2018***  ***Corvallis Forestry Sciences Lab, Room 20, Corvallis, OR***  ***Organized by the Pacific Northwest Research Station, the Bureau of Land Management, Weyerhaeuser Company, and National Council for Stream and Air Improvement*** |

***Workshop Goal:*** Explore the current science of summer low stream flows in western Oregon, and identify/prioritize gaps in our knowledge on the topic.

***Target Audience:***  Forest managers of state, private, and federal lands interested in furthering their understanding of low summer flow processes and trends and being part of a dialogue on this issue.

***Location:***  Corvallis Forestry Sciences Lab, 3200 SW Jefferson Way, Corvallis, OR

**Please RSVP to:** [**cfriesen@fs.fed.us**](mailto:cfriesen@fs.fed.us) **by March 15, 2018**

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**Agenda**

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| **Time** | **Topic** | **Speaker** |
| **9:00 - 9:05** | Welcome! Outline of the day | ***Cheryl Friesen****, Science Liaison, USFS* |
| **9:05 – 9:15** | Setting the Stage: The meaning and use of “Best Available Science” – what makes stream flow an issue? | ***Mike Brown****, Soil, Water & Air Program Lead, BLM Oregon State Office, and* ***Johan Hogervorst****, Hydrologist, Willamette NF Forest* |

**Summer Low Flows in Western Oregon:**

**Agenda Continued**

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| **Time** | **Topic** | **Speaker** |
| **9:15 – 9:25** | Introduction to summer low flows: organizing principles and terminology. | ***Maryanne Reiter****, Hydrologist, Weyerhaeuser Co.* |
| **9:25 – 9:45** | Climate change projections and potential effects on stream flow. | ***Kathie Dello,*** *Associate Director, Oregon Climate Change Research Institute* |
| **9:45 – 10:05** | Evapotranspiration variability across dominant ecosystems in the PNW. | ***Hyojung Kwon***, *Research Associate, OSU* |
| **10:05 – 10:25** | How forest management influences interaction between vegetation and water. | ***Klaus Puettmann****, Silviculturist, OSU* |
| **10:25 – 10:40** | Break |  |
| **10:40 – 11:00** | Subsurface flow paths and low summer flows: influence of channel geomorphology. | ***Steve Wondzell****, Research Ecologist, USFS PNW Research Station* |
| **11:00 – 11:30** | Streamflow trends from long term data in the Western Cascades. | ***Julia Jones****, Geography Professor, Oregon State University* |
| **11:30 – 12:00** | Streamflow trends from long term data in the Coast Range, northern California. | ***Elizabeth Keppeler****, Hydrologist, or* ***Joe Wagenbrenner****, Research Hydrologist, USFS PSW Research Station* |
| **12:00 – 12:30** | **Lunch: bring donation for catered pizza OR bring your own food.** |  |
| **12:30 – 12:50** | Effects of drought and regional low flows. | ***Charlie Luce,*** *Research Hydrologist, USFS Rocky Mountain Research Station* |
| **12:50 – 1:10** | Biological response to low stream flows. | ***Brooke Penaluna,*** *Research Fisheries Biologist, USFS PNW Research Station* |
| **1:10 – 1:30** | Revisiting the water budget and forest management: overview of questions posed by managers (*we will be asking attendees to send questions in advance).* | ***Sherri Johnson****, Research Ecologist, USFS PNW Research Station* |
| **1:30 – 3:30** | Facilitated discussion on using the best available science on summer low flows to link processes, issues of scale, uncertainties, data gaps, and management implications. | ***Cheryl Friesen,*** *USFS Science Liaison and* ***Ashley Coble****, NCASI* |