

2016 Whitebark Pine Ecosystem Foundation Annual Science and Management Workshop

Successes and Challenges in Managing the Jewel in the Crown of the Continent

September 16-18, 2016

Whitefish, MT

September 14 – USFS, Flathead NF Conference Room (650 Wolfpack Way, Kalispell, MT)		
9:30 am	6:00 pm	Whitebark Pine Ecosystem Foundation Board of Directors Meeting
September 15- Location TBD		
TBD	TBD	Crown of the Continent High Five Working Group Meeting
September 16 – O’Shaughnessy Center (1 Central Avenue)		
7:30 am		Registration Opens
8:00 am	8:15 am	Welcome and Workshop Logistics Chip Weber, Forest Supervisor – Flathead NF
8:15 am	8:40 am	Keynote - Restoring and Conserving Five-Needle Pine in the Crown of the Continent: A Multi-Stakeholder Approach to Cross-Border Collaboration Regan Nelson, Crown of the Continent Conservation Initiative Coordinator
8:40 am	9:00 am	Functional Role of Whitebark Pine at Treeline Across its Rocky Mountain Range, with Focus on the Crown Diana Tomback, Professor University of Colorado – Denver and Director of the Whitebark Pine Ecosystem Foundation co-authors: L.M. Resler and G.P. Malanson
9:00 am	9:20 am	Adaptation to Climate Change: Embracing Natural Selection and Genetics in Whitebark Pine Restoration Diana L. Six, Professor University of Montana co-author: C. Vergobbi
9:20 am	9:40 am	Will Whitebark Pine Restoration Still Work in the Crown Under Future Climates? Bob Keane, Research Ecologist, USFS co-authors: L. Holsinger, M.F. Mahalovich, and D. Tomback
9:40 am	10:00 am	BREAK
10:00 am	10:20 am	Future Climate Suitability for Mountain Pine Beetle Outbreaks in the Crown of the Continent Polly C. Buotte, Postdoc, University of Idaho co-authors: J.A. Hicke, H.K. Preisler, J. T. Abatzoglou, and K.F. Raffa
10:20 am	10:40 am	Whitebark Pine on the Flathead Indian Reservation: Re-evaluating the Resource for the 21st Century Rick Everett, Program Director Wildland Fire Sciences, Department of Forestry, Salish Kootenai College
10:40 am	11:00 am	Effects of Fire in Whitebark Pine Communities of the Alpine-Treeline Ecotone C. Alina Cansler, Research Ecologist, University of Washington co-author: Dr. D. McKenzie
11:00 am	11:20 am	Species Status Assessment (SSA) for Whitebark pine: An Analytical Approach for Informing Decisions and Activities Under the Endangered Species Act Amy C Nicholas, Fish and Wildlife Biologist, U.S. Fish and Wildlife Service
11:20 am	11:40 am	Key Considerations for Managing the Clark's Nutcracker-Whitebark Pine Mutualism Taza Schaming, Ph.D. Candidate, Cornell University

		co-author: Chris Sutherland
11:40 am	12:00 pm	The Ecological Effects of Thinning Treatments to Restore Whitebark Pine Colin Maher, Graduate Student, Department of Ecosystem and Conservation Sciences University of Montana co-authors: C. Nelson, A. Larson, A. Sala
12:00 pm	1:30 pm	LUNCH (on your own)
1:30 pm	1:50 pm	A 20-year Reassessment of the Health and Status of Whitebark Pine Forests in the Bob Marshall Wilderness Complex, Using Citizen Science Carol Treadwell, Executive Director, Bob Marshall Wilderness Foundation co-authors: M. Retzlaff, B. Keane, and S. Leirfallom
1:50 pm	2:10 pm	Rapidly Emerging Trends in Southeast BC Michael Murray, Forest Pathologist, BC Ministry of Forests
2:10 pm	2:30 pm	Geologic and Genetic Implications of Restoring Whitebark Pine Under Climate Change: Suitable Substrate, Blister Rust Resistance and Drought Tolerance Mary Frances Mahalovich, Regional Geneticist, Northern Rocky Mountain, Southwestern and Intermountain Regions, USFS co-authors: M.J. Kimsey and D.L. Foushee
2:30 pm	2:50 pm	Change in blister rust infection in whitebark and limber pine in the Canadian Rocky Mountains (2003-2014) Brenda Shepherd, Conservation Biologist, Jasper National Park of Canada co-authors: R. Sissons, B. Jones, J. Cochrane, J. Park, B. Chruszcz, D. Backman, and C. Smith
2:50 pm	3:10 pm	Inoculation of Whitebark Pine Seedlings with Native Ectomycorrhizal Fungi Cathy L. Cripps, Associate Professor, Montana State University co-author: M. Jenkins
3:10 pm	3:30 pm	BREAK
3:30 pm	3:50 pm	Is British Columbia the Elephant in the Room? Randy Moody, Chair Whitebark Pine Ecosystem Foundation Canada
3:50 pm	4:10 pm	Successes and Challenges of Whitebark Pine Restoration in Glacier NP Jen Asebrook, Botanist, Glacier NP
4:10 pm	5:00 pm	Manager/Operational Panel Karl Anderson – Forest Culturist, Flathead NF; Jen Asebrook – Botanist, Glacier NP; Valerie Walker – Genetic Resources Forester, Lolo NF; Robert Sissons – Ecologist Team Leader, Parks Canada
5:00 pm	6:30 pm	Cash Bar and Heavy Hors d’oeuvres and Informal Poster Session
5:00 pm	8:00 pm	Silent Auction (Laura DeNitto): Bid on foundation merchandise, art, crafts, books, etc. and support whitebark pine restoration
6:30 pm	7:30 pm	Community Program – Diana Tomback
September 17 (Meet at Best Western hotel lobby)		
9:00 am	3:00 pm	Field trip to Whitefish Mt Resort (Karl Anderson): Watch a tree climbing/cone caging demonstration and learn about whitebark pine friendly resort certification.
September 18 (Meeting location TBD)		
8:00 am	4:00 pm	Field Trip to Glacier NP (Rebecca Lawrence): Plant limber pine seedlings and view plus trees.