

# Melissa Brown

Science Communication Associate

Montana State University - Land Resources and Environmental Sciences  
PO Box 173120 - Bozeman, MT 59717-3120  
406 994 6520 - [melissab@montana.edu](mailto:melissab@montana.edu)

## EDUCATION AND TRAINING

- Noxious Weed Management Short Course – Bozeman, Montana 1996
- University of Montana, Missoula – B.S. Biology/Botany (148.33 semester credits)
- Capital High School – Helena, Montana – General Studies

## PROFESSIONAL EXPERIENCE

### Science Communication and Education

- Technical science writing and design – Center for Invasive Plant Management, Montana State University – Bozeman, MT (2006-present)
- Co-coordination/instruction – Western Society of Weed Science Noxious Weed Management Short Course (1996-present)
- Program development, management, and instruction – Youth Forest Monitoring Program – USDA Forest Service, Montana Science Institute – Helena, MT (1998-2001)
- Invasive plant workshops and field trips for 4<sup>th</sup>-6<sup>th</sup> grade children – USDA Forest Service, Montana Science Institute – Helena, MT (1998-2001)

### Invasive Plant Research and Management

- Transpiration/Photosynthesis studies – University of Montana – Missoula, MT (1994-1996)
- Efficacy studies – Weed Management Services – Helena, MT (1996-2004)
- Monitoring – USDA Forest Service, Helena National Forest – Helena, MT (2000-2004)
- Conservation easement monitoring – Prickly Pear Land Trust – Helena, MT (2003-2004)
- Consulting – Smith River Habitat Project – Helena, MT (2003-2005)

### Technical Materials Development

- Stewardship program policies – Prickly Pear Land Trust – Helena, MT (2003-2004)
- Environmental information analyses for 12 Montana county weed management programs (1996-2002)
- Invasive plant management plans (county and statewide), Montana Department of Agriculture and Montana Department of Transportation (2002-2003)
- Published literature review– Weed Science Society of America/Dow AgroSciences – Indianapolis, IN (2003-2004)

### Marketing Materials Design and Production (2001-present)

*Brochures, newsletters, fliers, posters, programs, book design*

- Smith River Habitat Project – Helena, MT
- Chesnut Valley Retreat and Recreation Co. – Cascade, MT
- Helena Hardwoods – Helena, MT
- Court Appointed Special Advocate (CASA) program – Helena, MT
- Lewis and Clark County Cattlewomen's Association – Helena, MT
- Pat Barnes Missouri River Chapter of Trout Unlimited – Helena, MT
- Prickly Pear Land Trust – Helena, MT
- Montana Trout Unlimited – Missoula, MT
- Lodgepole Press – Elliston, MT

## PUBLICATIONS

### Books, Journal Articles, and Extension Publications

- Brown, M., E. Ackley and C. Brewer. The effects of leaf surface wetness on transpiration. Montana Academy of Sciences, Missoula, MT, April 1996.
- Brown, M.L., C.A. Duncan, and M.B. Halstvedt. Spotted knapweed management with integrated methods. Western Society of Weed Science, Colorado Springs, CO. March 1999.
- Brown, M.L., C.A. Duncan, M.B. Halstvedt, V.F. Carrithers, J.R. Sebastian, and K.G. Beck. Integrated Methods for Management of Spotted or Diffuse Knapweed. Western Society of Weed Science, Coeur d'Alene, ID. March 2001.
- Brown, M.L., C.A. Duncan, V.F. Carrithers, J.R. Sebastian, and K.G. Beck. Integrated Methods for Management of Spotted or Diffuse Knapweed. Washington State Weed Control Association Meeting, Yakima, WA. November 2003.
- Brown, M.L. 2004. Purple Loosestrife (*Lythrum salicaria*). In Invasive Plants of Range and Wildlands – The Economic, Environmental, and Societal Losses. Literature review. Allen Press. Lawrence, KS.
- Brown, M.L. 2004. Dalmatian toadflax (*Linaria dalmatica*). In Invasive Plants of Range and Wildlands – The Economic, Environmental, and Societal Losses. Literature review. Allen Press. Lawrence, KS.
- Brown ML, Jacobs J, Story J, Sing S, Duncan CA, Rice P. 2006. Dalmatian and yellow toadflax: Weeds of Pasture and Rangeland. Montana State University Extension Service Circ. EB115.
- Duncan CA, Brown ML. 1999. Montana Weed District Supervisor's Handbook. Montana Department of Agriculture and Montana Weed Control Association.
- Brown ML, Duncan CA, Olsen LF, Burke EA, Beard RE, Halstvedt MB. 2005. Effect of herbicide treatments on establishment of Dalmatian toadflax within burned forested sites. In. Proceedings, WSWWS, Vancouver, BC Canada.
- Duncan CA, Jachetta JJ, Brown ML, Carrithers VF, Clark JK, DiTomaso JM, Lym RG, McDaniel KC, Renz MJ, Rice PM. 2003. Environmental, economic, and societal impact of invasive plants on range and wildlands. In. Proceedings, IPINAMS Conference. Fort Lauderdale, FL.
- Brown ML, Duncan CA, Halstvedt MB, Carrithers VF. 2001. Integrated management of spotted and diffuse knapweed. In. Proceedings, International Knapweed Symposium. Coeur d'Alene, ID.
- Brown ML, Duncan CA, Halstvedt. 1999. Spotted knapweed management with integrated methods. In. Proceedings, Western Society of Weed Science.

### Environmental Documents and Plans

- Duncan CA, Brown ML. 2003. Phillips County Integrated Roadside Weed Management Plan, 2003. Montana Department of Transportation. Malta, MT.
- Duncan CA, Brown ML, Eddie J. 2002. Beaverhead County Invasive Plant Management Program Environmental Information Analysis. Beaverhead County Weed District. Dillon, MT.
- Duncan CA, Brown ML. 2002. Missoula Integrated Roadside Weed Management Plan, 2002. Montana Department of Transportation. Missoula, MT.
- Duncan CA, Brown ML, Leo K. 2002. Madison County Invasive Plant Management Program Environmental Information Analysis. Madison County Weed District. Virginia City, MT.
- Duncan CA, Brown ML, Rauser A. 2001. Noxious Weed Management Program Information Environmental Information Analysis. Broadwater County Weed District. Townsend, MT.
- Duncan CA, Brown ML, Pomeroy M. 2001. Powder River County Invasive Plant Management Program Environmental Information Analysis. Powder River County Weed District. Broadus, MT.
- Duncan CA, Brown ML, Hutchinson JD. 1998. Wibaux County Final Noxious Weed Environmental Information Analysis. Wibaux County Weed District. Wibaux, MT.
- Duncan CA, Brown ML, Sparks J. 1998. Dawson County Final Noxious Weed Management Program Environmental Information Analysis. Dawson County Weed District. Glendive, MT.
- Duncan CA, Brown ML, Donovan. 1998. Richland County Final Noxious Weed Management Program Environmental Information Analysis. Richland County Weed District. Sidney, MT.
- Duncan CA, Brown ML, Steinberg G. 1998. Sheridan County Final Noxious Weed Management Program Environmental Information Analysis. Sheridan County Weed District. Plentywood, MT.
- Duncan CA, Brown ML, Austin D. 1998. Powell County Final Noxious Weed Management Program Environmental Information Analysis. Powell County Weed District. Deer Lodge, MT.
- Duncan CA, Brown ML, Turner T, Big Knife S. 1997. Rocky Boy Reservation Final Noxious Weed Management Program Environmental Information Analysis. Rocky Boy Reservation and Hill County Weed District. Havre, MT.
- Duncan CA, Brown ML, Turner T. 1997. Hill County Final Noxious Weed Management Program Environmental Information Analysis. Hill County Weed District. Havre, MT.
- Duncan CA, Brown ML, Lacey JR, Nickoloff M, Gontzke M. 1997. Roosevelt County Final Noxious Weed Management Program Environmental Information Analysis. Roosevelt County Weed District. Culbertson, MT.