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Journal (published or in press): 10  
 Journal (in review or submitted): 6  
 Journal (in preparation): 9  
 Book chapters or symposium proceedings: 2  
 Master's Thesis: 1  
 Dissertations: 3

### **Presentations:**

Professional meetings: 29  
 Other meetings: 8

### **Published or in press Papers**

Black, B.A., H. T. Foster, and M.D. Abrams. 2002. Combining environmentally dependent and independent analysis of witness tree data in east-central Alabama. **Canadian Journal of Forest Research** 32: 2060-2075.

Dale, V.H. and Beyeler, S.C. 2001. Challenges in the development and use of ecological indicators **Ecological Indicators** 1: 3-10.

Dale, V.H., Beyeler, S.C., and Jackson, B. 2002. Understory indicators of anthropogenic disturbance in longleaf pine forests at Fort Benning, Georgia, USA. **Ecological Indicators** 1(3): 155-170.

Dale, V. H., Mulholland, P., Olsen, L. M., Feminella, J., Maloney, K., White, D. C., Peacock, A., and Foster, T. 2004. "Selecting a Suite of Ecological Indicators for Resource Management," Pages 3-17 in *Landscape Ecology and Wildlife Habitat Evaluation: Critical Information for Ecological Risk Assessment, Land-Use Management Activities and Biodiversity Enhancement Practices*, **ASTM STP 11813**, L. A. Kapustka, H. Gilbraith, M. Luxon, and G. R. Biddinger, Eds., ASTM International, West Conshohocken, PA, 2004.

Dale, V. H., S. Archer, M. Chang, and D. Ojima. In press. Ecological impacts and mitigation strategies for rural land management. Ecological Applications. **Ecological Applications**.

Dale, V.H., Druckenbrod, D., Baskaran, L., Aldridge, M., Berry, M., Garten, C., Olsen, L., Efroymsen, R., and Washington-Allen, R. In press. Vehicle impacts on the environment at different spatial scales: Observations in west central Georgia. **Journal of Terramechanics**.

Dale, V.H., D. Druckenbrod, L. Baskaran, C. Garten, L. Olsen, R. Efroymsen, and R. Washington-Allen, M. Aldridge, M. Berry. In press. Analyzing Land-Use Change at Different Scales in Central Georgia. Proceedings of the 4th Southern Forestry and Natural Resource GIS conference. Athens, Georgia, Dec 16-18, 2004.

Foster, Thomas, Bryan Black, and Marc Abrams. 2004. A witness tree analysis of the effects of Native American Indians on the pre-European settlement forests in east central Alabama. **Human Ecology** 32 (1)

Maloney, K.O., P.J. Mulholland, and J.W. Feminella. In press. Influence of catchment-scale military land use on physicochemical conditions in small Southeastern Plains streams (USA). **Environmental Management**.

Olsen, L.M., Dale, V.H. and H.T. Foster. In press. Landscape patterns as indicators of ecological change at Fort Benning, GA. **Land Use and Urban Planning**.

Peacock, A. D., S. J. MacNaughton, J. M. Cantu, V. H. Dale and D. C. White. 2001. Soil microbial biomass and community composition along an anthropogenic disturbance gradient within a longleaf pine habitat. **Ecological Indicators** 1(2):113-121.

Theobald, D.M., T. Spies, J. Kline, B. Maxwell, N. T. Hobbs, V. H. Dale. In press. Ecological support for rural land-use planning and policy. **Ecological Applications**.

## **Submitted Papers:**

Maloney, K.O., J.W. Feminella, P.L. Chaney, and A. Abebe. Comparison of three methods to quantify the effects of catchment land use on streambed stability.

Date of submission: April 2004; Revised: January 2005

Journal: **Journal of the American Water Resources Association**

Maloney, K.O., Richard M. Mitchell and J.W. Feminella. Influence of catchment disturbance from military training on fish assemblages in small southeastern headwater streams.

Date of submission: May 2004

Journal: **Ecology of Freshwater Fish**

Mulholland, P. J., J. N. Houser, and K. O. Maloney. Stream diurnal dissolved oxygen profiles as indicators of in-stream metabolism and disturbance effects: Fort Benning as a case study.

Date of submission: April 2004; Revised January 2005

Journal: **Ecological Indicators**

Olsen, L.M., Washington-Allen, R.A, and V.H. Dale. Using Landscape Metrics to Detect Changes over 173 Years at Fort Benning, GA, USA

Journal: **GIScience and Remote Sensing**

Date of submission: October 2004

Significance: a statistical review of landscape metrics at Fort Benning to detect land cover change through time

Wolfe, A., and Dale, V.H. A. Ecological research for natural resource management: Using a Delphi approach to integrate science and practice.

Date of submission: May 2004

Journal: **Journal of Environmental Management**

## **In Preparation:**

Dale, V.H., Peacock, A., C. Garten, and E. Sobek. Contributions of soil, microbial, and plant indicators to land management of Georgia pine forests.

Date of submission: February 2005

Journal: **Ecological Applications**

Dale, V.H., Baskaran, L., Cantu, J., Druckenbrod, D.L., Feminella, J., Maloney, K., Mulholland, P., and A. Peacock (Second authors listed alphabetically). Synthesis of ecological indicators research across multiple scales at Fort Benning, Georgia.

Date of submission: March 2005

Journal: **Bioscience**

Druckenbrod, D.L., and V.H. Dale. Experimental response of understory plants to mechanized disturbance in longleaf pine forests at Fort Benning, Georgia.

Date of submission: March 2005

Journal: **Ecological Applications**

Druckenbrod, D.L., and V.H. Dale. Functional response of understory plants to multiple experimental disturbance treatments in longleaf pine forests at Fort Benning, Georgia.

Date of submission: March 2005

Journal: **Forest Ecology and Management**

Druckenbrod, D.L., Ayers, P., Cantu, J., Dale, V.H., Feminella, J., Garten, C., Maloney, K., and A. Peacock (Second authors listed alphabetically). A synthesis of the response of longleaf pine ecosystems to multiple disturbance treatments at Fort Benning, Georgia.

Date of submission: April 2005

Journal: **Ecosystems**

Houser, J.N., Mulholland, P.J., and K. Maloney. Stream chemistry indicators of disturbance on military reservations.

Date of submission: February 2005

Journal: Journal of Environmental Quality

Maloney, K.O. and J.W. Feminella. Benthic macroinvertebrate indicators of catchment disturbance at the Fort Benning Military Reservation, Ft. Benning, Georgia.

Date of submission: January 2005

Journal: **Ecological Indicators**

Maloney, K.O., Richard M. Mitchell and J.W. Feminella. Influence of catchment disturbance from military training on fish assemblages in small southeastern headwater streams.

Date of submission: February 2005

Journal: **Transaction of the American Fisheries Society**

Maloney, K. O, J. W. Feminella, P. J. Mulholland, S. A. Miller, and J. N. Houser. Land use legacies and small streams: the relationships between historic and contemporary land use patterns with present-day stream conditions.

Date of submission: March 2005

Journal: **Ecological Applications**

#### **Dissertations and Thesis:**

Foster, H.T., II. 2001. Long term average rate maximization of Creek Indian residential mobility a test of the marginal value theorem. Ph.D. dissertation, Department of Anthropology, Pennsylvania State University.

Beyeler, S.C. 2000. **Ecological indicators**. Master's thesis. University of Miami in Ohio.

Maloney, K. 2004. Ph.D. dissertation. Auburn University, Alabama.

Peacock, A. Ecological Indicator Development, Integration and Knowledge Mapping" Ph.D. Dissertation, The University of Tennessee Department of Biosystems Engineering.

Anticipated: 2005