

Monitoring Techniques and New Technology: Assessing Invasive Species at Army National Guard Maneuver Training Center – Fort Pickett, Virginia

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Abstract – Several invasive exotic species are present at Army National Guard Maneuver Training Center – Fort Pickett. Two species in particular are facing current management decisions: bicolor lespedeza (*Lespedeza bicolor* Turcz.) and spotted knapweed (*Centaurea biebersteini* DC.). This project examined monitoring techniques and new technologies available to contain and eradicate the current invasion, and to prevent future invasion. We reported the extent of bicolor lespedeza on Range 16 and possible eradication methods. Range 16 is an area of concern as bicolor lespedeza is taking over former colonies of the endangered species, Michaux's sumac (*Rhus michauxii* Sarg.). The current range of spotted knapweed was found from RTLA (formerly LCTA) data and the technologies available for detection and modeling were reviewed.