

**POPULATION BIOLOGY, HABITAT DESCRIPTION, DELINEATION AND CONSERVATION OF TERLINGUA CREEK CAT'S-EYE (*CRYPTANTHA CRASSIPES*)**

Maria T. Williams<sup>1</sup> and Bonnie J. Warnock<sup>2</sup>

Department of Natural Resource Management, Sul Ross State University, Alpine, TX 79831

This study addresses the Terlingua Creek cat's-eye (*Cryptantha crassipes*), a member of an edaphic community of gypsum loving plants. Terlingua Creek cat's-eye (*Cryptantha crassipes*) is located solely within the drainage of Terlingua Creek and its tributaries in Brewster County, Texas. This narrow endemic is found on what is described as the Fizzle Flat lentil, a geologic rock unit which begins within a half mile up Terlingua Creek from a point near the mouth of Alamo de Cesario Creek. This yellowish lentil formation is comprised of limestone with veins of gypsum and barite. Terlingua Creek cat's eye habitat and the biologic adaptations are currently being investigated and preliminary findings will be presented. Current status of access to populations and population location and status will be also be discussed. As all Terlingua Creek cat's eye populations occur on private land, implications for conservation are also included.