

## APPENDIX B

### POTENTIAL SPECIES OF THE DEAD HORSE MOUNTAINS

These are species that have been collected close to the study area and/or species whose known distributions make their occurrence within the study area likely, or unvouchered species listed on previous surveys. Unless otherwise noted, all distribution information is based on Turner et al. (2003) and/or collection information from the University of Texas at Austin herbarium's online database (TEX 2003). If a taxon was listed without a voucher collection in either of the two previous area surveys (Wells 1965, Amos and Giles 1992), it is noted as such.

#### AGAVACEAE

*Dasyilirion heteracanthium* I. Johnst. Listed by Amos and Giles (1992), citing a specimen at BIBE, however no specimen was found. During the SRSC search, a specimen collected in Brushy Canyon and originally identified as *D. heteracanthium* was discovered (AMP & SAP 5127). Despite having few, if any, retrorse marginal teeth, the current annotation places it with *D. leiophyllum*. This species is reported to occur in south Brewster and Presidio counties (Powell 1998) but no localities or specimens are cited.

#### AMARANTHACEAE

*Amaranthus retroflexus* L. Listed by Amos and Giles (1992); known locally from the Chisos and Glass Mountains.

#### ASTERACEAE

*Cirsium undulatum* (Nutt.) Spreng. Listed by Wells (1965); known locally from several areas in Brewster County.

*Erigeron flagellaris* A. Gray. Listed by Amos and Giles (1992); known locally from the Chisos Mountains and southern Pecos County.

*Heterotheca* sp. Listed by Amos and Giles (1992); two species occur in the region: *Heterotheca fulcrata* and *Heterotheca subaxillaris*.

*Machaeranthera blephariphylla* (A. Gray) Shinn. Listed by Amos and Giles (1992); north Brewster County and westward distribution.

*Ratibida columnifera* (Nutt.) Wooton & Standl. Listed by Amos and Giles (1992); common throughout the state.

*Simsia calva* (A. Gray & Engelm.) A. Gray. Listed by Amos and Giles (1992); well-represented regionally.

*Tetragonotheca* sp. Listed by Amos and Giles (1992); *Tetragonotheca texana* is the only species with a feasible distribution in Turner et al (2003).

#### BORAGINACEAE

*Heliotropium molle* (Torr.) I.M. Johnst. Possible; collected by NPS staff at Dog Flats; many other collections are known to the north.

#### BRASSICACEAE

*Synthlipsis greggii* A. Gray. Known from Dog Flats and to the east in BGWMA.

#### CACTACEAE

*Echinocereus x roetteri* (Engelm.) Engelm. ex Rümpler var. *neomexicanus* (J.M. Coult.) A.D. Zimmerman. Expected according to Powell and Weedon (2004).

*Echinocereus viridiflorus* Engelm. var. *russanthus* (Weniger) A.D. Zimmerman. Expected according to Powell and Weedon (2004). This name is also the best approximated synonym of the taxon *Echinocereus chloranthus* listed by Amos and Giles (1992) and collected at the McKinney Spring ranch house and northward on the Old Ore Road.

*Epithelantha bokei* L.D. Benson. Possible; occurs just outside of the study area near the Rio Grande.

*Lophophora williamsii* (Lem. ex Salm-Dyck) J.M. Coult. Possible; the study area contains the appropriate habitat.

*Opuntia azurea* Rose var. *parva* A.M. Powell & J.F. Weedon. Expected according to Powell and Weedon (2004).

*Opuntia imbricata* (Haw.) DC. Expected according to Powell and Weedon (2004).

*Opuntia phaeacantha* Engelm. Listed by Amos and Giles (1992). This species has a more northerly distribution in the Trans-Pecos, but the similar *Opuntia camanchica* is one of the most common species in the Trans-Pecos and is expected throughout the study area (Powell and Weedon 2004).

*Opuntia strigil* Engelm. var. *strigil*. Listed by Amos and Giles (1992); occurs just outside of Brewster County to the east.

#### FABACEAE

*Desmanthus glandulosus* (B.L. Turner) Luckow. Expected; has been collected elsewhere in BBNP, is not an especially restricted species, and is well-represented regionally.

#### HYDROPHYLLACEAE

*Nama torynophyllum* Greenm. Several collections have been made near Hot Springs, and in Dog Flats.

#### LAMIACEAE

*Scutellaria drummondii* Benth. Listed by Amos and Giles (1992); of several varieties, var. *edwardsiana* occurs to the north of the study area.

#### LILIACEAE

*Allium drummondii* Regel. Collected from several locations in BGWMA and west of Stillwell Crossing.

*Allium perdulce* S.V. Fraser var. *sperryi* Ownbey. Known from Dog Flat.

#### LOGANIACEAE

*Emorya suaveolens* Torr. Possible; the only Texas locality is on Maravillas Creek in BGWMA, just east of the study area.

#### PAPAVERACEAE

*Argemone squarrosa* Greene subsp. *glabrata* G.B. Ownbey. Listed by Amos and Giles (1992); known from northern Brewster County.

#### POACEAE

*Scleropogon brevifolius* Phil. Listed by Wells (1965). Turner et al. (2003) records this species in the study area but no specimens were discovered. Voucher collection localities near the study area include Dog Flats and the Chisos Mountains, in addition to many areas near Alpine and Marathon (TEX 2003).

#### POLEMONIACEAE

*Gilia rigidula* Benth. var. *rigidula*. Expected according to Turner et al. (2003).

#### POLYGALACEAE

*Polygala maravillasensis* Correll. Collected in Black Gap along the river and in the lower canyons of the Rio Grande.

#### PTERIDACEAE

*Notholaena aliena* Maxon. Possible according to Yarborough and Powell (2002). Locally known from BGWMA and the Chisos Mountains.

*Notholaena copelandii* C.C. Hall. Possible according to Turner et al. (2003) and Yarborough and Powell (2002).

#### RUBIACEAE

*Hedyotis angulata* Fosberg. Occurs sporadically in the Trans-Pecos, mostly to the east. One collection was made just east of the DH in BGWMA

#### SALICACEAE

*Populus angustifolia* E. James. Reported to occur in the RGV area (Powell 1988) and expected according to Turner et al. 2003.

#### SOLANACEAE

*Chamaesaracha coronopus* (Dunal) A. Gray. Listed by Amos and Giles (1992); regionally common.

#### VERBENACEAE

*Glandularia racemosa* (Eggert) Umber. Known from Dog Flats.