

- counties (Reveal, 1968; TEX-LL, 1998), where it occurs on sparsely vegetated gypsum and other rock outcrops. Element code: PDPGN081D0.
- Eriogonum greggii* T. & G. Gregg's wild-buckwheat. G2S1. Global range: Texas, Coahuila and Nuevo León. State range: Hidalgo and Starr counties, occurring in sparse grasslands and low shrublands on shallow sandy soils over caliche. Element code: PDPGN082L0.
- Eriogonum hemipterum* (T. & G.) Stokes var. *hemipterum*. Chisos wild-buckwheat. G4T3S2. Global range: Mountains of extreme southern Trans-Pecos Texas and at the north end of the Sierra del Carmen in adjacent Coahuila (Reveal, 1968; Reveal in Henrickson & Johnston, in prep.). State range: Locally common in pine-oak woodlands in the Chisos Mountains of Brewster County. Note that var. *griseum* I. M. Johnston (G4T2T3), also endemic to the Chihuahuan Desert region, occurs in open pine forests in portions of Coahuila and Chihuahua (Reveal, 1968; Reveal in Henrickson & Johnston, in prep.). Element code of *Eriogonum hemipterum* (no var.): PDPGN082Q0; need code for var. *hemipterum*.
- Eriogonum nealleyi* Coult. Irion County wild-buckwheat, Nealley's wildbuckwheat. G2S2. Global range: Endemic to the northwestern Edwards Plateau of Texas. State range: Coke, Howard, Irion, Pecos, Reagan, Runnels and Sterling counties, occurring in grasslands in shallow stony soils over limestone and indurated caliche, often collected from ungrazed but sparsely vegetated roadsides, particularly where limestone or caliche is exposed on hilltops (Rowell, 1983). Element code: PDPGN08430.
- Eriogonum suffruticosum* Wats. Bushy wild-buckwheat. G2S2. Global range: endemic to the Chihuahuan Desert region (Reveal in Henrickson & Johnston, in prep.). State range: Brewster, Pecos and Presidio counties, found most often on sparsely vegetated rocky limestone slopes, low hills and clay flats (Clark & Powell, 1983). Element code: PDPGN085N0.
- Eriogonum tenellum* Torr. var. *ramosissimum* Benth. Basin wild-buckwheat. G5T3S3. Global range: Endemic to the Llano Uplift (Central Mineral Basin) of central Texas. State range: Burnet, Gillespie, Llano and Mason counties (Reveal, 1968), Usually rooted in crevices of sparsely vegetated, unshaded granite and gneiss outcrops or associated deposits of dry sand and gravel. Element code: PDPGN085Q2.
- Polygonella parksii* Cory. Parks' jointweed. G2S2. Global range: Endemic to Texas. State range: Early successional grasslands and openings in post oak woodlands on deep loose whitish sands in south-central Texas, with records from Atascosa, Bexar, Burleson, Guadalupe, Leon, Milam, Robertson and Wilson counties (Horton, 1963; Mahler, 1980; Mahler 1981; Texas BCD, 1999). Element code: PDPGN0K080.

#### Chenopodiaceae Goosefoot Family

- Atriplex klebergorum* M. C. Johnston. Kleberg saltbush. G2S2. Global range: Endemic to South Texas. State range: A halophyte of sparsely vegetated saline areas along the coast in Kleberg County and at a few inland sites in La Salle, Starr and Webb counties (Johnston, 1961; Turner, 1981). Element code: PDCHE040Y0.

#### Amaranthaceae Amaranth Family

- Tidestromia carnosa* (Steyerm.) I. M. Johnst. *Tidestromia lanuginosa* (Nutt.) Standl. var. *carnosa* (Steyerm.) Cory. Fleshy tidestromia. G3S2. Global range: Endemic to the Chihuahuan

Desert of Trans-Pecos Texas and adjacent northern Coahuila and northern Chihuahua (Henrickson & Johnston, in prep.). State range: Brewster, El Paso and Presidio counties (Henrickson & Johnston, in prep.), where it occurs in saline or gypseous soils in open situations. Element code: PDAMA0J050.

Nyctaginaceae Four O'Clock Family

- Abronia ameliae* Lundell. Amelia's sand-verbena. G3S3. Global range: endemic to South Texas. State range: Mostly on deep loose sand on the South Texas Sand Sheet, with records from Brooks, Hidalgo, Jim Hogg, Kenedy, Kleberg and Starr counties (Galloway, 1975; Reed, 1969). A student collection from Live Oak County may be erroneous as to location. Element code: PDNYC01030.
- Abronia macrocarpa* Galloway. Large-fruited sand-verbena. G2S2. Global range: Endemic to Texas. State range: Restricted to the post oak belt of east-central Texas, with records from Freestone, Leon and Robertson counties, where it occurs among sparse herbaceous vegetation in deep, somewhat excessively drained sands in openings in post oak woodlands, sometimes in active blowouts (Corlies, 1991; Galloway, 1975; Kennedy, Poole & Orzell, 1990). Element code: PDNYC010D0.
- Acleisanthes acutifolia* Standl. Havard trumpets. G3S3. Global range: Northern Durango and Zacatecas through Coahuila to Trans-Pecos Texas (Poole in Henrickson & Johnston, in prep.). State range: Brewster, Pecos and Presidio counties, in xeric limestone or gypseous habitats (Poole in Henrickson & Johnston, in prep.). Element code: PDNYC02010.
- Acleisanthes crassifolia* Gray. Texas trumpets. G2S2. Global range: Texas and Coahuila. State range: Kinney, Maverick and Val Verde counties, usually among cenizo (*Leucophyllum frutescens*) and various thorny shrubs in shallow, well drained, calcareous gravelly loams over caliche (Poole, 1989; Smith; 1976). Known Texas populations occur over Austin Chalk or Uvalde Gravel. Element code: PDNYC02030.
- Acleisanthes wrightii* (Gray) Benth. & Hook. Wright's trumpets. G2S2. Global range: West Texas and Coahuila. State range: Open semi-desert grasslands and shrublands on shallow stony soils over limestone on low hills and flats, with records from Brewster, Pecos, Reeves, Terrell and Val Verde counties (Smith, 1976; Texas BCD, 1997). Element code: PDNYC02060.
- Anulocaulis leiosolenus* (Torr.) Standl. var. *lasianthus* I. M. Johnst. Chihuahuan ringstem. G4T3S2. Global range: Trans-Pecos Texas and immediately adjacent Chihuahua. State range: Brewster, Culberson and Presidio counties, where it occurs on xeric gypseous clay or limestone outcrops and flats (Spellenberg, 1993). Element code: PDNYC05041.
- Anulocaulis reflexus* I. M. Johnst. Ojinaga ringstem. G2SH. Global range: Chihuahua and Trans-Pecos Texas. State range: Jeff Davis and Presidio counties, occurring primarily on shaly gypseous clays at elevations ranging from 800 to 1150 meters, often with *Larrea tridentata* (Spellenberg, 1993). Element code: PDNYC05050.
- Boerhavia mathisiana* F. B. Jones. Mathis spiderling. G2S1. Global range: South Texas, Tamaulipas and San Luis Potosí (Corral, 1988). State range: Open thorn shrublands on limestone or caliche outcrops in the Lake Corpus Christi area of Live Oak and San Patricio counties (Gardener & O'Brien, 1986; Jones, 1977). Element code: PDNYC06080. Note: In the upcoming treatment of Nyctaginaceae for FNA, R. Spellenberg submerges this species within *B. ciliata* Brandegee, a species of xeric rock outcrops that ranges as far south as

Querétaro (J. Poole, pers. comm., 2002). Information is needed about the global rank and range of this species.

*Selinocarpus parvifolius* (Torr.) Standl. Littleleaf moonpod. G3S3. Global range: NE corner of Chihuahua and adjacent Trans-Pecos Texas (Henrickson & Johnston, in prep.). State range: Brewster and Presidio counties (Henrickson & Johnston, in prep., Reed, 1969), on xeric clay or shale exposures. Element code: PDNYC0F050.

#### Aizoaceae Carpetweed Family

*Sesuvium trianthemoides* Correll. Texas sea-purslane; roughseed sea-purslane. GSH. Global range: Apparently endemic to Texas. State range: Known only from the type collection taken in 1947 from "dunes" in an unspecified location in Kenedy County (Correll, 1966). Element code: PDAIZ0E060.

#### Caryophyllaceae Pink Family

*Arenaria livermorensis* Correll. Livermore sandwort. G1S1. Global range: Known only from igneous rock outcrops at higher elevations in the Davis Mountains of Jeff Davis County, Texas (Miller & Powell, 1983). Element code: PDCAR040G0.

*Geocarpon minimum* Mackenzie. Earth fruit. G2S1. Global range: Arkansas, northwestern Louisiana, southwestern Missouri and northeastern Texas. State range: Anderson County, where it occurs on sparingly vegetated saline slick spots on an open (unforested) creek terrace (Keith, Singhurst & Cook, 2004).

*Paronychia congesta* Correll. Bushy nailwort. G1S1. Global range: Endemic to South Texas. State range: Known only from Jim Hogg County, where it occurs in openings in blackbrush (*Acacia rigidula*) shrublands on shallow soils over xeric caliche or calcareous sandstone outcrops (Damude & Poole, 1990; Turner, 1983). Element code: PDCAR0L070.

*Paronychia jonesii* M. C. Johnston. Jones' nailwort. G3S3. Global range: Endemic to South Texas. State range: Aransas, Brooks, Hidalgo, Kenedy, Kleberg, Nueces and Starr counties (Johnston, 1963; Turner, 1983), occurring in early successional open areas on deep well-drained sand. Element code: PDCAR0L0F0.

*Paronychia lundellorum* B. L. Turner. Lundell's nailwort. G1S1. Global range: Endemic to South Texas. State range: Brooks, Kenedy and Kleberg counties, occurring on dune sands or in *Spartina* grasslands on low slightly saline sites (Turner, 1983). Element code: PDCAR0L0U0.

*Paronychia maccartii* Correll. McCart's nailwort. G1S1. Global range: Known only from the type specimen collected in 1962 from a site in Webb County (Damude & Poole, 1990). Element code: PDCAR0L0H0.

*Paronychia monticola* Cory. Including *Paronychia nudata* Correll. A nailwort. G3S3. Global range: West Texas and northern Coahuila (R. Hartman in Henrickson & Johnston, in prep.). State range: Various habitats in the Chisos, Glass and Davis mountains of Brewster and Jeff Davis counties in the Trans Pecos, but also in lower elevation limestone canyons in Crockett, Pecos and Terrell counties (Turner, 1983; TEX-LL, 2000). Element code: PDCAR0L0K0.

*Paronychia setacea* T. & G. Bristle nailwort. G3S3. Global range: Endemic to Texas. State range: Largely in the post oak belt of south-central Texas, from Atascosa, Medina and Bexar

counties northeast to Robertson and Nacogdoches counties (map in Turner, 1983; BRIT/SMU, 1999; TEX-LL, 1999; TAES, 1999). Element code: PDCAR0L0R0.

*Paronychia wilkinsonii* Wats. Wilkinson's nailwort. G2S2. Global range: Endemic to the Chihuahuan Desert, ranging from Trans-Pecos Texas and the northwestern edge of Coahuila south to Ciudad Chihuahua (Henrickson & Johnston, in prep.). State range: Brewster County, where it occurs in shallow rocky soils in crevices on sparsely vegetated novaculite outcrops. Element code: PDCAR0L0T0.

*Silene plankii* Hitchc. & Maguire. Plank's catchfly. G3S1. Global range: Mountains of southeastern New Mexico and adjacent Texas. State range: Franklin Mountains of El Paso County, occurring in crevices on shaded igneous cliff faces above ca. 5000 ft. (Hitchcock & Maguire, 1947; New Mexico Native Plant Protection Advisory Committee, 1984; Worthington, 1981). Element code: PDCAR0U1D0.

*Silene subciliata* Robinson. Scarlet catchfly. G3S3. Global range: Western Gulf Coastal Plain of southeast Texas and southwestern Louisiana. State range: sandy areas of the Pineywoods of East Texas, with records from Hardin, Jasper, Liberty, Newton, Polk, Sabine, Shelby, and Tyler counties; a report from Jefferson County remains to be verified (Carr, 1991). Element code: PDCAR0U1V0.

#### Ranunculaceae Crowfoot Family

*Aquilegia chrysantha* Gray var. *chaplinaei* (Payson) Lott. *Aquilegia chaplinaei* Payson. Guadalupe Mountains columbine. G4T2S2. Global range: In and near the Guadalupe Mountains of Texas and New Mexico. State range: Culberson and Presidio counties, restricted to mesic canyon woodlands and wet limestone canyon walls (Lott, 1979). Element code: PDRAN05061.

*Aquilegia chrysantha* Gray var. *hinckleyana* (Munz) Lott. *Aquilegia hinckleyana* Munz. Hinckley's columbine. G4T1S1. Global range: Endemic to west Texas. State range: Known only from Presidio County, where it occurs in cooler, wetter areas near waterfalls, perennial seeps, and springs in desert canyons (Lott, 1979; Clark & Powell, 1983). Element code: PDRAN05063.

*Aquilegia longissima* Gray. Longspur columbine. G3S2. Global range: Chihuahua, Coahuila, Nuevo León and Trans-Pecos Texas (Lott, 1979). State range: Brewster, Jeff Davis and Presidio counties, occurring in cooler, wetter areas near perennial seeps and springs in mesic mountain canyons (Lott, 1979). Element code: PDRAN050F0.

*Clematis texensis* Buckley. *Clematis coccinea* Engelm., *Viorna coccinea* (Engelm.) Small. Scarlet leatherflower. G3G4S3S4. Global range: Endemic to the Edwards Plateau of central Texas (Pringle, 1997). State range: Mesic wooded canyons of the Edwards Plateau, with records from Bandera, Bell, Blanco, Bosque, Comal, Coryell, Gillespie, Hays, Kendall, Kerr, Lampasas, Llano, Medina, Real, Travis and Uvalde counties, usually in oak-juniper woodlands in mesic rocky limestone canyons or along perennial streams. Element code: PDRAN080W0.

*Thalictrum arkansanum* Boivin. Arkansas meadow-rue. G2QS1. Global range: Arkansas, Oklahoma and Texas; in 1992 no extant populations were known in Arkansas or Oklahoma. State range: Bowie, Delta, Grayson, Lamar and Red River counties, occurring in mesic, mostly deciduous woodlands or forests, often on alluvial terraces (Mahler, 1983; Mahler, 1988; MacRoberts & MacRoberts, 1998). Element code: PDRAN0M020.

*Thalictrum texanum* (Gray) Small. Houston meadow-rue. G2QS2. Global range: Endemic to Texas. State range: Austin, Brazos, Fayette, Grimes, Harris, Waller and Washington counties (Mahler, 1983; Texas BCD, 2003), found mostly along margins of woodlands on claypan savannas and alluvial terraces. Element code: PDRAN0M0N0.

Berberidaceae Barberry Family

*Mahonia swaseyi* (Buckl.) Fedde. *Berberis swaseyi* Buckl. Texas barberry. G3S3. Global range: Endemic to Texas. State range: Essentially restricted to the Edwards Plateau (Bandera, Blanco, Comal, Hays, Kerr, Real and Travis counties), with one report from Bailey County in the Texas Panhandle (Rowell, 1949), occurring in shallow calcareous stony clay of upland grasslands/shrublands over limestone as well as in loamier soils in openly wooded canyons and on creek terraces. Element code: PDBER060G0.

Brassicaceae Mustard Family

*Cardamine macrocarpa* Brandegee var. *texana* Rollins. Texas largeseed bittercress. G3T2S2. Global range: Western Texas and Coahuila (Henrickson & Johnston, in prep.; Rollins, 1993); the inclusion of Nuevo León by Texas BCD may be unsubstantiated. State range: Brewster, Jeff Davis, Kinney and Uvalde counties, occurring in seasonally (hibernally or vernaly) moist loamy soils in pine-oak woodlands at high elevations in the Chisos and Davis Mountains and in pinyon-oak-juniper woodlands at moderate elevations on the western Edwards Plateau. Element code: PDBRA0K0N2.

*Draba standleyi* Macbride & Payson. Standley's draba, Standley's whitlow-wort. G2G3S1. Global range: Mountains of southeastern Arizona, southern New Mexico, Trans-Pecos Texas and northern Coahuila. State range: Known only from higher elevations in the Davis Mountains of Jeff Davis County, where it occurs in crevices of sparsely vegetated igneous boulders and rock outcrops. Element code: PDBRA112G0.

*Leavenworthia aurea* Torr. var. *texana* (Mahler) Rollins. *Leavenworthia texana* Mahler; treated in Correll & Johnston (1970) as *Leavenworthia aurea* Torr. which, as presently delimited, does not occur in Texas. Texas golden glade-cress. G2T1S1. Global range: Endemic to Texas. State range: Sabine and San Augustine counties; experimentally introduced to one site in Nacogdoches County; restricted to early-successional herbaceous communities in shallow calcareous soils in vernaly wet glades on Weches Formation ironstone outcrops (George & Nixon, 1990; Mahler, 1981). Element code: PDBRA1L022.

*Lesquerella angustifolia* (Nutt.) Wats. *Physaria angustifolia* (Nutt.) O'Kane & Al-Shehbaz. Thread-leaf bladderpod. G3S1. Global range: Four counties in southeastern Oklahoma (Watson, 1988) and one county in adjacent northeast Texas. State range: Collected to date only from Red River County (Gentry et al., 1978). Element code: PDBRA1N020.

*Lesquerella engelmannii* (Gray) Wats. subsp. *engelmannii*. *Physaria engelmannii* (Gray) O'Kane & Al-Shehbaz. Engelmann's bladderpod. G4T3S3. Global range: Endemic to Texas. State range: Grasslands and calcareous rock outcrops in a band along the eastern edge of the Edwards Plateau, ranging as north as far as the Red River but not, according to Clark (1975), into Oklahoma; records from Bandera, Brown, Burnet, Caldwell, Collin, Cooke, Dallas, Ellis, Erath, Guadalupe, Hays, Kerr, Lampasas, Montague, Parker, San Saba,

- Tarrant, Travis and Wise counties (Clark, 1975; Stanford, 1971; TEX-LL, 1997). Element code: PDBRA1N0H0.
- Lesquerella mcvaughiana* Rollins. *Physaria mcvaughiana* (Rollins) O'Kane & Al-Shehbaz. McVaugh's bladderpod. G3S3. Global range: Trans-Pecos Texas and adjacent Coahuila (Henrickson & Johnston, in prep.). State range: Grasslands on rocky limestone uplands at moderate elevations in Brewster and Pecos counties. Element code: PDBRA1N140.
- Lesquerella pallida* (T. & G.) Wats. *Physaria pallida* (T. & G.) O'Kane & Al-Shehbaz. White bladderpod. G1S1. Global range: Endemic to Texas. State range: Known only from San Augustine County; restricted to seasonally wet, comparatively high pH sandy soils in natural openings or glades within pine-oak forests over Weches Formation ironstone/glaucinite (Mahler, 1985; Nixon, 1984; Poole & Riskind, 1987). Element code: PDBRA1N1W0.
- Lesquerella thamnophila* Rollins & Shaw. *Physaria thamnophila* (Rollins & Shaw) O'Kane & Al-Shehbaz. Zapata bladderpod. G1S1. Global range: Tamaulipas and South Texas. State range: Starr and Zapata counties, found in open evergreen thorn shrublands on gravelly to sandy loams derived from various Eocene formations (Poole, 1989). Element code: PDBRA1N1M0.
- Lesquerella valida* Greene. *Physaria valida* (Greene) O'Kane & Al-Shehbaz. Strong bladderpod. G3S1. Global range: South-central New Mexico and west Texas; recently reported from Coahuila (Wood, Harper, Muldavin & Neville, 1999). State range: Culberson and Hudspeth counties, occurring in open gravelly limestone areas in pinyon-juniper woodlands above ca. 6000 ft. in the Sierra Diablo and Guadalupe Mountains (Wagner & Sabo, undated). Element code: PDBRA1N1P0.
- Rorippa ramosa* Rollins. Durango yellow-cress. G2S1. Global range: Restricted to the Chihuahuan Desert, where it is rare, known from a few collections from northeastern Durango, southern Coahuila, eastern Chihuahua, and along the Rio Grande near the Texas-Chihuahua-Coahuila borders (Henrickson & Johnston, in prep.; Stuckey, 1972). State range: Brewster and Terrell counties, presumably in moist, fine-textured alluvial soils on floodplains and in beds of intermittent streams. Element code: PDBRA270H0.
- Selenia grandis* R. Martin. Large selenia. G3S3. Global range: Endemic to South Texas. State range: Cameron, Dimmit, Hidalgo, La Salle, McMullen, Nueces and San Patricio counties (Martin, 1940; TAES, 1998; TEX-LL, 2203), occurring in seasonally wet clayey soils in open areas. Element code: PDBRA29030.
- Selenia jonesii* Cory. Including *Selenia jonesii* Cory var. *obovata* Rollins. Jones' selenia. G3S3. Global range: Endemic to Texas. State range: wet clayey soils of stream margins, playa lakes, and roadsides, mostly in the western Edwards Plateau; Mahler (1981) cited specimens from Crockett, Dawson, Dimmit, Glasscock, Mitchell, Nolan, Reagan and Scurry counties. Considered potentially weedy by Mahler (1981), an opinion not supported by the dearth of recent collections. Element code: PDBRA29040.
- Sibara grisea* Rollins. Gray sibara. G3S1. Global range: Known only from the Sacramento Mountains in New Mexico and the Guadalupe Mountains of New Mexico and Texas (Cully & Knight, 1987). State range: Limestone cliff faces, talus slopes and oak-juniper woodlands in mesic canyons of the Guadalupe Mountains. Element code: PDBRA2A060.
- Streptanthus bracteatus* Gray. Bracted twistflower. G2S2. Global range: Endemic to Texas. State range: Edwards Plateau, with records from Bandera, Bexar, Comal, Medina, Real, Travis and Uvalde counties; an unvouchered report from Caldwell County is presumed to be false. Occurs in low numbers in a broad spectrum of habitats on limestone slopes supporting a

- mosaic of juniper-oak woodlands and grassland openings, most often on mesic woodland margins (Damude & Poole, 1990; Zippin, 1997). Element code: PDBRA2G080.
- Streptanthus carinatus* Wright ex Gray subsp. *carinatus*. Lyreleaf twistflower. G4T3S3. Global range: The species as a whole ranges from Baja California east to Coahuila and north to Arizona, New Mexico and west Texas (Henrickson & Johnston, in prep.). Kruckeberg, Rodman & Spellenberg (1982) recognized two subspecies but did not provide information about the global range of either beyond the southwestern United States. Subsp. *carinatus* occurs in at least New Mexico and west Texas, but also presumably adjacent Coahuila. State range: Brewster, Culberson, El Paso, Hudspeth, Presidio and Reeves counties (Worthington, 1981), occurring on igneous and limestone slopes and alluvial fans. Element code: PDBRA2G0C2.
- Streptanthus cutleri* Cory. Cutler's twistflower. G2S2. Global range: Trans-Pecos Texas and Coahuila. State range: Brewster County, occurring in open shrublands or grasslands on calcareous gravel, talus slopes, rocky hillsides, and in gravelly stream beds at moderate elevations in the Chihuahuan Desert (Henrickson & Johnston, in prep.). Element code: PDBRA2G0E0.
- Streptanthus maculatus* Nutt. subsp. *maculatus*. Clasping twistflower. G3T2T3S2. Global range: Oklahoma and Texas; reports from Arkansas were evidently based on *Streptanthus obtusifolius* (Smith, 1988). Stage range: Primarily on seasonally moist barrens on the Weches Formation in Nacogdoches and San Augustine counties. Element code: PDBRA2G0R0.
- Streptanthus platycarpus* Gray. Broadpod twistflower. G3S4S3S4. Global range: West Texas and adjacent Coahuila (Henrickson & Johnston, in prep.). State range: Western Edwards Plateau and the Trans-Pecos, seemingly disjunct in Llano Uplift area, occurring sparingly in various habitats. Known from at least Brewster, Crockett, Gillespie, Llano, Pecos, Terrell and Val Verde counties; specimens on loan from most Texas herbaria, and thus complete county distribution is not currently available. Element code: PDBRA2G0W0.
- Streptanthus sparsiflorus* Rollins. Fewflower jewelflower; Guadalupe twistflower; sparsely-flowered jewelflower. G2S2. Global range: Endemic to the Guadalupe Mountains of New Mexico and Texas. State range: Shaded areas in dry gravelly limestone canyons and arroyos in various canyons in the Guadalupe Mountains of Culberson County (Burgess & Northington, 1981; Higgins, 1989). Element code: PDBRA2G0Y0.
- Thelypodopsis shimmersii* (M. C. Johnston) Rollins. *Sisymbrium shimmersii* M. C. Johnston; *Thelypodium shimmersii* (M. C. Johnston) Rollins. Shimmers' rocket. G2S2. Global range: Lower Rio Grande Valley and adjacent Tamaulipas (Rollins, 1982). State range: Cameron and perhaps Starr counties, where it occurs along margins of shrub thickets on clay soils. Element code: PDBRA2M080.
- Thelypodium tenue* Rollins. Fresno Creek thelypody. G1QS1. Global range: Apparently endemic to Texas. State range: Known only from Fresno Creek, Presidio County (Hanks & Powell, 1983), where recent efforts to re-locate an extant population have been unsuccessful. Element code: PDBRA2N0G0.
- Thelypodium texanum* (Cory) Rollins. Texas thelypody. G3S3. Global range: Reportedly endemic to Trans-Pecos Texas. State range: Brewster, Culberson, El Paso, Hudspeth, Jeff Davis and Presidio counties (TEX-LL, 2002), where it occurs in gravelly creek bottoms and on open rocky slopes at lower elevations. Element code: PDBRA2N0H0.

### Capparaceae Caper Family

*Cleome multicaulis* DC. Many-stem spiderflower. G2G3S1. Global range: Arizona, Colorado, New Mexico, Texas and Wyoming, south to Chihuahua, Durango, Jalisco, México, Michoacán and Sonora. State range: Known from edges of cienegas in Presidio County (Johnston & Warnock, 1959; Jackie Poole, pers. comm. 2003). Element code: PDCPP03080.

*Cleomella longipes* Torr. Stalked rhombopod, Chiricahua Mountains rhombopod. G3G4S3. Global range: Southeastern Arizona, southwestern New Mexico and west Texas south to central Chihuahua (Henrickson & Johnston, in prep.). State range: Locally common in sparingly vegetated sandy or alkaline soils and along margins of seasonal wetlands in the Trans-Pecos, with records from Brewster, Hudspeth, Jeff Davis and Presidio counties.

### Crassulaceae Stonecrop Family

*Lenophyllum texanum* (J. G. Smith) Rose. *Sedum texanum* J. G. Smith. Texas stonecrop. G3S3. Global range: Southern Coastal Plain of Texas and adjacent Tamaulipas and Nuevo León. State range: Brooks, Cameron, Hidalgo, Kleberg, Nueces, Starr and Webb counties (Turner, 1983; Moran, 1994); unvouchered reports from Willacy and Matagorda counties (Moran, 1994). (A specimen from Galveston County (TAMU), reported on the Flora of Texas Website, was recently annotated to *Cakile* sp.) Found in shrublands on clay dunes (lomas) at the mouth of the Rio Grande and on xeric calcareous rock outcrops at scattered inland sites. Element code: PDCRA08010.

*Sedum havardii* Rose. Havard's stonecrop. G2S2. Global range: West Texas and Coahuila (Henrickson & Johnston, in prep.). State range: Crevices on rock ledges and talus at high elevations in the Chisos and Davis Mountains of Brewster and Jeff Davis counties. Element code: PDCRA0A0E0.

### Saxifragaceae Saxifrage Family

*Fendlera rigida* I. M. Johnst. *Fendlera linearis* of Texas authors, misapplied (Johnston, 1990). Stiff fendlerbush. G3S1. Global range: Much of Coahuila, west to one location in Chihuahua and north to Trans-Pecos Texas (Henrickson & Johnston, in prep.). State range: Pummel and Chilicotal mountains in the Chisos Mountains of Brewster County and the Solitario of Presidio County (TEX-LL, 1998). Element code: PDHDR07020.

*Philadelphus crinitus* (C. L. Hitchcock) Hu. *Philadelphus microphyllus* Gray subsp. *crinitus* C. L. Hitch. Bearded mockorange. G2QS1. Global range: Arizona and Texas. State range: Known only from talus slopes at higher elevations in the Davis Mountains, Jeff Davis County (Powell, 1988). Element code: PDHDR09080.

*Philadelphus ernestii* Hu. Canyon mock-orange. G2S2. Global range: Endemic to the Edwards Plateau of central Texas. State range: Blanco, Comal, Hays, Kendall and Travis counties (Mahler, 1981; Texas BCD, 1997), on solution-pitted limestone outcrops in mesic wooded canyons. Element code: PDHDR09090.

*Philadelphus texensis* Hu. Including var. *coryanus* Hu (see Hu, 1954-1956). Texas mock-orange. G2G3S2S3. Global range: Essentially endemic to the southern portion of the Edwards Plateau of central Texas, with disjunct populations in limestone mountains of central

Coahuila (Henrickson & Johnston in prep.). State range: Bandera, Comal, Edwards, Kendall, Medina, Real and Uvalde counties, on limestone outcrops and slopes in mesic wooded canyons (Mahler, 1982). Element code: PDHDR090X0.

#### Crossosomataceae Crossosoma Family

*Glossopetalon texense* (Ensign) St. John. *Forsellesia texensis* Ensign. Texas greasebush. G1S1. Global range: Endemic to Texas. State range: Known from a small portion of the southwestern edge of the Edwards Plateau, with records from the Chalk Bluff and Montell areas of Uvalde County and the Devils River watershed of Val Verde County. Element code: PDCRO04050.

#### Rosaceae Rose Family

*Agrimonia incisa* T. & G. Incised groovebur. G3S2. Global range: Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Texas. State range: Anderson, Angelina, Jasper, Newton and Sabine counties, occurring in well drained sandy soils in longleaf pine or mixed pine-oak forests and forest borders, sometimes in fire-maintained upland longleaf pine savannas but also in more mesic open forests (MacRoberts & MacRoberts, 1997). Element code: PDROS03040.

*Crataegus anamesa* Sarg. Coast hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: Prairies in south-central Texas (Correll & Johnston, 1970). Reported by Vines (1960) from Fort Bend County; represented at TEX-LL by specimens from a woodland in Marion County and a wet coastal prairie in Brazoria County. Element code: PDROS0H060.

*Crataegus brazoria* Sarg. Brazoria hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: East Texas, Blackland prairies (Correll & Johnston, 1970). Vines (1960) mentions its occurrence on bottomlands of the Brazos River in Brazoria and Matagorda counties. Enquist (1990) was unable to relocate plants in this area and suggested that the species may be a hybrid of the complex including *C. mollis*, *C. texana* and *C. viburnifolia*. No specimens at TEX-LL, Feb 1998 or Feb 2001. Element code: PDROS0H0Q0.

*Crataegus dallasiana* Sarg. Dallas hawthorn. G3QS3. Global range: Endemic to north Texas (Enquist, 1990). State range: Along creeks in the Blackland Prairie regions of Dallas and Ellis counties (Enquist, 1990). Taxon not universally recognized; not mentioned, for example, in Jones, Wipff & Montgomery (1997). Element code: PSROS0H6B0.

*Crataegus nananixonii* J. B. Phipps & R. J. O'Kennon. Nixon's dwarf hawthorn. G1S1. Global range: Endemic to east Texas. State range: open upland post oak - bluejack oak or pine - oak woodlands on deep sands of the Carrizo and other formations in Nacogdoches and Upshur counties (Phipps & O'Kennon, 1997; Turner et al., 2003). Element code: PDROS0H810.

*Crataegus poliophylla* Sarg. Rosemary hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: South-central Texas (Correll & Johnston, 1970). Vines (1960) reported the species from Brazoria and Fort Bend counties, where it usually occurs "in thickets in drained soil." No specimens at TEX-LL, Feb 1998 or Feb 2001. Element code: PDROS0H3Y0.

- Crataegus stenosepala* Sarg. Narrow-sepal hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: South-central Texas (Correll & Johnston, 1970). Vines (1960) reported the species only from Fort Bend County; in Feb 1998, TEX-LL had specimens from Marion and Angelina counties. Element code: PDROS0H4U0.
- Crataegus sutherlandensis* Sarg. Sutherland Springs hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: Described from specimens collected along the Cibolo River near Sutherland Springs in Wilson County (Vines, 1960). Mahler (1982) did not consider this species distinct from *Crataegus viridis*. No specimens at TEX-LL, Feb 1998 or Feb 2001. Element code: PDROS0H4Z0.
- Crataegus turnerorum* Enquist. *Crataegus secreta* Phipps. Turners' hawthorn. G3QS3. Global range: Endemic to Texas (Enquist, 1990). State range: Concho, Crockett, Edwards, Jeff Davis, Mason, Menard, Schleicher, Sutton, Tom Green and Val Verde counties (Enquist, 1990; TEX-LL, 1999). Note: the names *Crataegus turnerorum* and *Crataegus secreta* were both published in 1990 to describe the same plants (compare Enquist, 1990 and Phipps 1990); apparently *Crataegus turnerorum* was published first. Element code: PDROS0H6L0.
- Crataegus viburnifolia* Sarg. Viburnumleaf hawthorn. G3QS3. Global range: Endemic to Texas (central BCD, 1997). State range: Wooded bottomlands along the Brazos and Colorado Rivers in Brazoria and Wharton counties (Vines, 1960); also from Brackenridge Park in San Antonio, Bexar County (TEX-LL, 2001). Element code: PDROS0H5C0.
- Crataegus warneri* Sarg. Warner's hawthorn. G3QS3. Global range: Endemic to East Texas. State range: Anderson, Cherokee, Franklin, Freestone, Houston, Smith, Upshur, Walker and Wood counties, found along margins of upland oak-hickory and oak-hickory-pine woodlands or forests, mostly on sandy soils (Mahler, 1985; Texas BCD, 1997). Element code: PDROS0H5G0.
- Prunus havardii* (W. Wight) W. Wight. Havard plum. G3S3. Global range: Endemic to Trans-Pecos Texas. State range: Brewster, Crockett and Presidio counties, where local in limestone canyons, on igneous talus slopes and novaculite outcrops (Powell, 1998). Element code: PDROS1C0M0.
- Prunus minutiflora* Engelm. Texas almond. G3G4S3S4. Global range: Texas and Chihuahua (Vines, 1960). State range: Edwards Plateau, Llano Uplift, and South Texas Plains, with records from Bell, Bexar, Burnet, Comal, Edwards, Frio, Irion, Kimble, Kinney, Live Oak, Mason, McMullen, Medina, Real, Travis, Uvalde, Val Verde, Webb, Williamson and Zavala counties (Wilkinson, 1977; TEX-LL, 2004); wide-ranging but scarce, in a variety of grassland and shrubland situations, mostly on calcareous soils underlain by limestone but occasionally in sandier neutral soils underlain by granite. Element code: PDROS1C0X0.
- Prunus texana* Dietr. *Prunus glandulosa* (Hook.) T. & G. Texas peachbush. G3S3. Global range: Endemic to Texas. State range: Mostly in sandy areas of the South Texas Plains, post oak belt on Eocene sands of the Coastal Plain, and the Llano Uplift, with records from Aransas, Atascosa, Bastrop, Bexar, Brooks, Goliad, Gonzales, Hidalgo, Kenedy, Kleberg, Llano, Mason, Refugio, San Patricio, Starr, Victoria, and Wilson counties, occurring at scattered sites in various well drained sandy situations. Element code: PDROS1C1B0.
- Rosa stellata* Woot. subsp. *mirifica* (Greene) W. H. Lewis var. *erlansoniae* W. H. Lewis. *Rosa stellata* Woot. var. *erlansoniae* W. H. Lewis. Erlanson's desert rose. G4T1S1. Global range: Endemic to McKittrick Canyon in the Guadalupe Mountains (Lewis, 1965; Burgess & Northington, 1981). Element code: PDROS1J154.

Fabaceae Legume Family  
(including Mimosaceae, Caesalpinaceae)

- Acacia schottii* Torr. Schott's acacia. G3S3. Global range: Perhaps endemic to the Chihuahuan Desert region of Trans-Pecos Texas; Isely (1973) also attributes the species to "adjacent Mexico." State range: Limestone and gypsum hills and flats in southern Brewster and Presidio counties. Element code: PDFAB020Z0.
- Amorpha laevigata* Nutt. Smooth indigobush. G3S1. Global range: Oklahoma, east Texas and northern Louisiana. State range: Mapped by Turner (1959) from Cass and Van Zandt counties; the map in Wilbur (1975) consists of two dot clusters, one suggesting Cass and Morris counties and the other of four counties in deep East Texas (vicinity of Jasper and Hardin counties and east). In Jan 1998, TEX-LL had a single specimen from Morris County; in Sep 1998, the Flora of Texas Herbarium Specimen Browser cited one specimen from Harris County. Louisiana range: Ouachita and Winn parishes (Thomas & Allen, 1998).
- Amorpha paniculata* T. & G. Panicked indigobush. G2G3S2S3. Global range: Oklahoma (central BCD, 1997), southeastern Arkansas, northern Louisiana and east Texas. Apparently rare in Arkansas (Hempstead County mapped in Smith, 1988, following Wilbur, 1975) and Oklahoma (S1 per central BCD, 1997). State range: Wide-ranging across East Texas, but probably uncommon in most of the counties in which it has been collected. The map in Turner (1959) indicates collections from Anderson, Angelina, Camp, Gregg, Harrison, Henderson, Morris, Newton, Robertson, Smith, Titus, Tyler and Upshur counties. Element code: PDFAB080C0.
- Amorpha roemerana* Scheele. *Amorpha texana* Buckley. Texas amorpha. G3S3. Global range: Endemic to the Edwards Plateau of central Texas. State range: Bandera, Bexar, Comal, Gillespie, Hays, Kendall, Kerr, Kinney, Medina, Travis and Uvalde counties, found in juniper-oak woodlands or shrublands on rocky limestone slopes, sometimes on dry shelves above creeks (Mahler, 1982; TEX-LL, 1995). Element code: PDFAB080D0.
- Astragalus giganteus* Wats. Giant milkvetch. G3S1. Global range: Trans-Pecos Texas and central New Mexico south to the Sierra Madre Occidental of Chihuahua (R. Barneby in Henrickson & Johnston, in prep.). State range: Wooded zones in Chinati and Davis mountains in Presidio and Jeff Davis counties (TEX-LL, 1998). Element code: PDFAB0F3P0.
- Astragalus gypsodes* Barneby. Gyp groundplum; gyp locoweed. G2S2. Global range: New Mexico and west Texas. State range: Culberson, Hudspeth and Reeves counties, mostly on gypsum or stiff gypseous clay soils along creeks and on low rolling foothills of the Guadalupe Mountains; many of the known locations are on the Castile Formation (Burgess & Northington, 1981; Higgins, 1989). Element code: PDFAB0F3W0.
- Astragalus mollissimus* Torr. var. *coryi* Tidestr. Cory's woolly loco. G5T3S3. Global range: Endemic to Texas. State range: Grasslands over limestone on the western Edwards Plateau, with records from Crockett, Irion, Martin, Reagan, Sterling and Upton counties (Barneby, 1964; Turner, 1959; TEX-LL, 2001). Element code: PDFAB0F5L2.
- Astragalus mollissimus* Torr. var. *marcidus* (Rydb.) Barneby. *Astragalus bigelovii* Gray var. *marcidus* (Rydb.) Isely. Withered woolly loco. G5T2S2. Global range: Endemic to Texas. State range: Jeff Davis and Presidio counties (Barneby, 1964), found on gravelly hillsides

- and grasslands at mid to higher elevations, mostly on igneous substrates in mountains of the Trans-Pecos. Element code: PDFAB0F5L4.
- Astragalus reflexus* T. & G. Texas milkvetch. G3S3. Global range: Endemic to Texas. State range: Scattered locations in the eastern half of Texas, with records from Bell, Brown, Cameron, Dallas, Fayette, Gonzales, Hill, Kleberg, Johnson, McLennan, Somervell, Tarrant, Travis, Walker and Zavala counties (Turner, 1959; Correll & Johnston, 1970; Diggs, Lipsomb & O'Kennon, 1999; TEX-LL, 1998), usually in grasslands on calcareous substrates. Element code: PDFAB0F7H0.
- Astragalus soxmaniorum* Lundell. Soxmans' milkvetch. G3S3. Global range: East Texas, Louisiana and Arkansas (Orzell & Bridges, 1987). State range: Anderson, Cass, Freestone, Hardin, Henderson, Houston, Leon, Nacogdoches, Rusk, Smith, Titus, Van Zandt, Walker and Wood counties (Turner, 1959; TEX-LL, 1998), primarily in deep sandy soils of sandhills, fallow fields, and open scrub oak-pine woodlands (Orzell & Bridges, 1987). Occurs in only three parishes in Louisiana and four counties in southern Arkansas (Orzell & Bridges, 1987). Element code: PDFAB0F8C0.
- Astragalus waterfallii* R. Barneby. Waterfall's milkvetch. G3S3. Global range: Rocky limestone slopes in southern New Mexico, west Texas and adjacent Coahuila (Henrickson & Johnston, in prep.). State range: Crockett, Culberson, El Paso, Hudspeth, Jeff Davis, Presidio, Reagan and Terrell counties (Turner, 1959; TEX-LL, 1998). Element code: PDFAB0F9H0.
- Bauhinia lunarioides* Wats. *Bauhinia congesta* (Britt.) Lundell; *Casparea jermyana* Britt. Anacacho orchid; Texas plume; Texas bauhinia. G3S1. Global range: South Texas and adjacent Coahuila and Nuevo León (Wunderlin, 1983). State range: Southwestern Edwards Plateau, with certain records from the Anacacho Mountains in Kinney County and the Devils River area in Val Verde counties. Historical collections from other localities in Texas (near Eagle Pass in Maverick County, near Laredo in Webb County, and at Enchanted Rock in Gillespie County) have all been questioned by at least one authority; see discussions in Turner (1959) and Wunderlin (1983). Known sites are in shrublands in draws on rocky limestone slopes and on limestone ledges along rivers. Element code: PDFAB0J010.
- Brongniartia minutiflora* Wats. Little-leaf brongniartia. G2S1. Global range: Texas, Chihuahua and Sonora. State range: Lower elevation Chihuahuan Desert shrublands in Brewster County, occurring in sand, gravel, volcanic ash and other substrates, often in or along arroyos or shallow drainages (Miller & Powell, 1983). Element code: PDFAB0K010.
- Caesalpinia phyllanthoides* Standl. South Texas rushpea. G2S1. Global range: South Texas and northern Tamaulipas. State range: Jim Wells and Live Oak counties; Isely (1975) was probably correct in his speculation that the Bexar County record was based on a cultivated specimen. Tamaulipan thorn shrublands or grasslands on very shallow sandy to clayey soil over calcareous sandstone or caliche. Element code: PDFAB0L0J0.
- Calliandra biflora* Tharp. Two-flower stickpea. G3S3. Global range: Known from two small, widely separated areas, one in northern Tamaulipas (11 mi W of Loreto) and the other in south-central Texas. State range: Dewitt, Goliad and Victoria counties, primarily in open areas on caliche outcrops or in shallow sandy soils over caliche (Mahler, 1980). Element code: PDFAB0N010.
- Dalea bartonii* Barneby. Cox's dalea. G1S1. Global range: Endemic to Texas. State range: Known from specimens collected by Barton Warnock on 31 July 1953 from on the Cox Ranch near Longfellow in Brewster County, Texas, and from a 1958 specimen from along a

- highway north of Dryden in Terrell County. In Brewster County, it occurs in shortgrass semi-desert grasslands with scattered pinyon pine and juniper in gravelly soils on limestone hills at an altitude of about 3600 feet (Howell, 1986). Element code: PDFAB1A040.
- Dalea hallii* Gray. Hall's prairie-clover. G3S3. Global range: Endemic to Texas. State range: North-central Texas, south to a few spots on the Edwards Plateau; records from Brown, Burnet, Comanche, Dallas, Erath, Fannin, Hays, Hood, Johnson, Kendall, Kerr, Mills, Parker and Tarrant counties (Turner, 1959; TEX-LL, 1998; BRIT/SMU, 1999), in grasslands on eroded limestone or chalk and in oak scrub on rocky hillsides (Barneby, 1977). Element code: PDFAB1A0R0.
- Dalea reverchonii* (Wats.) Shinnery. *Petalostemum reverchonii* Wats. Comanche Peak prairie-clover. G2S2. Global range: Endemic to north-central Texas. State range: Hood, Parker and Wise counties, found in grasslands or openings in post oak woodlands, often among sparse vegetation in barren exposed sites, often on shallow gravelly calcareous soils over Goodland Limestone (Mahler, 1984). Element code: PDFAB1A1E0.
- Dalea sabinalis* (Wats.) Shinnery. *Petalostemum sabinale* Wats. Sabinal prairie-clover. GHSH. Global range: Endemic to Texas. State range: Historical records from Bandera, Uvalde and Val Verde counties, presumably taken from rocky soils on limestone outcrops or grassland openings in juniper-oak woodlands (Mahler, 1985). Element code: PDFAB1A1F0.
- Desmanthus reticulatus* Benth. Netleaf bundleflower. G3S3. Global range: Endemic to Texas. State range: Mostly on clay prairies of the coastal plain of central and south Texas, with reports from Bexar, Comal, Gonzales, Kerr, Kleberg, Live Oak, San Patricio, Travis, Uvalde and Wilson counties (Luckow, 1993; Turner, 1959; TEX-LL, 1997). Element code: PDFAB1C070.
- Desmodium lindheimeri* Vail. Lindheimer's tickseed. G3G4S1. Global range: Mountains of Coahuila, Nuevo León and San Luis Potosí; disjunct on the Edwards Plateau of south-central Texas (Nesom, 1993). State range: Comal and Uvalde counties (TEX-LL, 1998), in mixed woodlands on canyon slopes, in creekbeds and on partially shaded adjacent roadsides (Enquist, 1995). Enquist (1995) suggested that *Desmodium lindheimeri* might have been introduced to Texas during the 18th or early 19th century via commerce with northeastern Mexico. Element code: PDFAB1D0S0.
- Eysenhardtia spinosa* Gray. Spiny kidneywood. G2S2. Global range: Chihuahua south to extreme northern Durango; disjunct in Trans-Pecos Texas (R. Barneby in Henrickson & Johnston, in prep.). State range: Grasslands or shrublands on igneous outcrops or limestone hills in and around the Sierra Vieja Mountains of Presidio County (R. Barneby in Henrickson & Johnston, in prep.). Element code: PDFAB1N020.
- Genistidium dumosum* I. M. Johnston. Brush pea. G1S1. Global range: Trans-Pecos Texas and Coahuila. State range: Southern Brewster County, occurring in low-elevation Chihuahuan desert scrub on xeric rocky limestone hills (Clark & Powell, 1983). Element code: PDFAB1S010.
- Hoffmannseggia drummondii* T. & G. *Caesalpinia drummondii* (T. & G.) Fisher; *Caesalpinia texensis* (Fisher) Fisher; *Hoffmannseggia texensis* Fisher. Drummond's rushpea. G3S2. Global range: South Texas and eastern Tamaulipas. State range: Open areas on sandy clay in Atascosa, Bee, Goliad, Gonzales, Karnes, Jim Wells, McMullen, San Patricio and Wilson counties (Simpson, 1999; Correll & Johnston, 1970; Isely, 1975; Jones, 1977). Element code: PDFAB0L080.

- Hoffmannseggia tenella* Tharp & L. O. Wms. Slender rushpea. G1S1. Global range: Endemic to South Texas. State range: Kleberg and Nueces counties, occurring in grasslands on heavy clay soils (U. S. Fish & Wildlife Service, 1988). Element code: PDFAB20050.
- Indigofera miniata* Ort. var. *texana* (Buckl.) B. L. Turner. Texas scarlet-pea. G5T3T4S3S4. Global range: Endemic to central Texas, primarily on sand and gravel over igneous substrates in the Llano Uplift in Burnet, Gillespie, Llano and Mason counties; a Kerr County report (Turner, 1959) suggests it may also occur in sand derived from other sources. Element code: PDFAB22084.
- Nissolia platycalyx* S. Wats. Broadsepal nissolia. G3S1. Global range: More or less endemic to mountains of the Chihuahuan Desert region, from Trans-Pecos-Texas and Coahuila south to northern Zacatecas, with one record from Nuevo León (Henrickson & Johnston, in prep.). State range: Known only from the Chisos Mountains. Element code: PDFAB2Q010.
- Pediomelum cyphocalyx* (Gray) Rydb. *Psoralea cyphocalyx* Gray. Turnip-root scurfpea. G3G4S3S4. Global range: Endemic to Texas. State range: Edwards Plateau and north-central Texas, with records from Bandera, Bexar, Blanco, Burnet, Comal, Coryell, Gillespie, Hamilton, Hays, Kendall, Kerr, Lampasas, Parker, Travis and Wise counties. Element code: PDFAB5L0A0.
- Pediomelum humile* Rydberg. *Psoralea rydbergii* Cory. Rydberg's scurfpea. G1S1. Global range: Near Piedras Negras, Coahuila and in southwest Texas (Grimes, 1990). State range: Known only from Val Verde County, in shortgrass grasslands and shrublands on xeric limestone uplands. Element code: PDFAB5L020.
- Pediomelum pentaphyllum* (L.) Grimes. *Pediomelum trinervatum* Rydb.; *Psoralea trinervata* (Rydb.) Standl.; not *Pediomelum pentaphyllum* sensu Rydb. Chihuahua scurfpea, three-nerve scurfpea, Chihuahua scurfpea. G1SH. Global range: Arizona, New Mexico, Texas and Chihuahua; rare and local throughout range. State range: Known in Texas from a single specimen collected in the 1850's from "fields near the Presidio del Norte." Element code: PDFAB5L070.
- Pediomelum reverchonii* (S. Wats.) Rydb. *Psoralea reverchonii* S. Wats. Reverchon's scurf-pea. G3S2. Global range: Four counties in south-central Oklahoma and six counties in north-central Texas (Grimes, 1990). State range: Cooke, Hood, Johnson, Montague, Parker, Tarrant and Wise counties (Grimes, 1990; TEX-LL, 1998), mostly in prairies on shallow rocky calcareous substrates. Element code: PDFAB5L0J0.
- Pomaria austrotexana* B. B. Simpson. Stinking rushpea. G3S3. Global range: South Texas and northern Tamaulipas (Simpson, 1998). State range: Brooks, Hidalgo, Kenedy, Jim Hogg, Starr and Zapata counties, in open areas on deep well drained sands (Simpson, 1998). Element code: PDFAB0L0V0.
- Pomaria brachycarpa* (Gray) B. B. Simpson. *Caesalpinia brachycarpa* (Gray) Fisher. Broadpod rushpea. G2S2. Global range: Endemic to the Edwards Plateau of central Texas. State range: Crockett, Edwards, Kinney, and Sutton counties, where it occurs in grasslands, live oak savannas and open mesquite woodlands on shallow stony clay soils over limestone (Mahler, 1981). Element code: PDFAB0L020.
- Senna orcuttii* (Britt. & Rose) Irwin & Barneby. *Cassia orcuttii* (Britt. & Rose) B. L. Turner. Orcutt's senna. G2S2. Global range: New Mexico, west Texas and northern Coahuila. State range: Brewster and Terrell counties; primarily in the Del Norte and Altuda Mountains (Isely, 1975), found in gravelly soil on open limestone slopes and in beds of intermittent streams. Element code: PDFAB491M0.

*Sophora gypsophila* Turner & Powell var. *guadalupensis* Turner & Powell. Gyp mountain-laurel; Guadalupe Mountains mescal-bean. G2G3T2S1. Global range: Endemic to the Guadalupe Mountains of New Mexico and Texas, where it occurs in oneseed juniper (*Juniperus monosperma*) shrublands on dry limestone or gypsum slopes above 5000 feet elevation (Turner & Powell, 1972; Higgins, 1989). State range: Culberson County. Element code: PDFAB3N041.

#### Zygophyllaceae Caltrop Family

*Kallstroemia perennans* B. L. Turner. *Kallstroemia hirsuta* L. Williams; not *Kallstroemia hirsuta* (Benth.) Engler & Prantl. Perennial caltrop. G1S1. Global range: Endemic to Texas. State range: Trans-Pecos and the semi-arid western edge of the Edwards Plateau, with records from Brewster, Presidio and Val Verde counties; usually in somewhat barren gypseous clays or limestone soils. Element code: PDZYG03060.

#### Rutaceae Citrus Family

*Zanthoxylum parvum* Shinnars. Shinnars' tickle-tongue. G2S2. Global range: Endemic to Trans-Pecos Texas. State range: Middle to upper elevations in the Davis Mountains, Jeff Davis County, with one historic location in Brewster County; maple-oak woodlands and *Quercus hypoleucooides* shinnery on steep rocky igneous slopes (Poole, 1989; Carr, 1997). Element code: PDRUT0L0G0.

#### Polygalaceae Milkwort Family

*Polygala hookeri* T. & G. Hooker's milkwort. G3S2. Global range: Alabama, Florida, Louisiana, Mississippi, South Carolina and Texas (central BCD, 1997). State range: Low pinelands in East Texas (Correll & Johnston, 1970). Additional information unavailable at present. Element code: PDPGL020N0.

*Polygala maravillasensis* Correll. Maravillas milkwort. G2S1. Global range: Texas and Coahuila (T. Wendt in Henrickson & Johnston, in prep.). State range: Brewster and Terrell counties, occurring in crevices of limestone exposed on canyons walls along the Rio Grande and its tributaries. Element code: PDPGL020Y0.

*Polygala palmeri* Wats. Palmer's milkwort. G3QS2. Global range: West Texas to eastern Coahuila, west-central Nuevo León; perhaps also in central Tamaulipas (T. Wendt in Henrickson & Johnston, in prep.). State range: Limestone slopes in Val Verde County. Element code: PDPGL02160.

*Polygala rimulicola* Steyermark var. *rimulicola*. Rock-crevice milkwort. G3T3S2. According to Wendt (in Henrickson & Johnston, in prep.) the only other variety of *Polygala rimulicola*-- var. *mescalerorum* Wendt & Todson-- occurs only in the San Andres Mountains of Dona Ana County, New Mexico. Global range: Known only from the Guadalupe Mountains of New Mexico and Texas. State range: Shaded to partially shaded limestone cliffs and ledges in pine-oak-juniper woodlands in the Guadalupe Mountains, mostly above 5000 feet. Element code: PDPGL021F2.

#### Euphorbiaceae Spurge Family