NEW VASCULAR PLANT FLORISTIC RECORDS FOR THE DAKOTAS

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ABSTRACT.—Recent collections of vascular plants on the Crow Creek Indian Reservation in central South Dakota include 64 new county records for Hughes County, 72 for Buffalo County, and 1 for Hyde County. Additionally, 2 new county records are reported for Sioux County in southern North Dakota.

RESUMEN.—Las recientes colectas de plantas vasculares en la Reserva Indie Crow Creek en el centro de Dakota del Sur incluyen: 64 nuevos registros en el Condado Hughes, 72 en el Condado Buffalo y uno en el Condado Hyde. Además, se reportaron dos nuevos registros en el Condado Sioux, en el sur de Dakota del Norte.

The Crow Creek Indian Reservation encompasses portions of Hughes, Hyde, and Buffalo counties along the east side of the Missouri River in central South Dakota. Botanical collections were made on the reservation as part of an effort to compile a list of its flora. These collections were identified and compared to available reports of plant species distributions in South Dakota, including those from the Atlas of the Flora of the Great Plains (Great Plains Flora Association 1977), the USDA Plants Database (USDA–NRCS 2013), and the Biota of North America Program (BONAP) website (Kartesz 2013). Distributions given in Flora of the Great Plains (Great Plains Flora Association 1991) seldom mention specific counties, and few county records appear to have been published from this area since the publication of the Great Plains Flora Association reference volumes.

A surprisingly large number of species, including widespread and well-known species, were identified as being new county records according to the available literature and databases. This seems to be in part because the entire central portion of South Dakota is badly undercollected. Card et al. (2010), while databasing known herbarium specimens from counties west of the Missouri River, reported collection numbers of 0.02–0.08 specimens km$^{-2}$ for the nearby Dewey, Lyman, and Stanley counties, as compared to 1.07–8.73 specimens km$^{-2}$ in well-collected southwestern counties. At the extreme, they reported locating only 97 specimens from the entirety of Dewey Co. It seems certain in the most neglected counties that many species have not only not been databased but have never been collected. However, the broader distributional ranges given for some species in this region by BONAP, as compared to the Atlas, suggest that many county records may have been collected in recent decades but not published as such.

Therefore, we herein report new county records in South Dakota for 123 species. Additionally, some collections were made for a project in southern North Dakota, from which 2 new records in Sioux County are reported. Common names and map numbers, where given, are from the Atlas of the Flora of the Great Plains (Great Plains Flora Association 1977), and the name used in that reference, if not the currently preferred name, is given in brackets, following the useful format that Rolfsmeier et al. (1988) employed in reporting records from Nebraska. Family assignments have been updated to correspond to the Angiosperm Phylogeny Group III (APG III) classification (Angiosperm Phylogeny Group 2009). Voucher specimens are preserved in the Missouri Botanical Garden herbarium (MO) and at the Crow Creek tribal high school. Most coordinates given were obtained by GPS at the time of collection; some, given only to the minute, were estimated from maps.

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**SOUTH DAKOTA COUNTY RECORDS**

*Allium textile* A. Nels. & J.F. Macbr. (Amaryllidaceae), white wild onion. Map 2146. HUGHES County (Joe Creek Recreation Area, 44°8.8’ N, 99°47.5’ W, Meyer et al. 1524).

*Amorpha nana* Nutt. (Fabaceae), dwarf wild indigo. Map 631. BUFFALO County (1 mi N of Ft. Thompson on Hwy. 47, then E 0.5–1 mi, 44°5.2’ N, 99°25.7’ W, Meyer & Pemberton 1440).

*Andropogon gerardii* Vitman (Poaceae), big bluestem. Map 1583. BUFFALO County (1.0 mi S on Hwy. 47 from Hwy. 34, at bridge, 44°2.9’ N, 99°24.6’ W, Meyer & Grassrope 1330).

*Astragalus agrestis* G. Don (Fabaceae). Map 1326. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1481).
349th Ave., 43°58.0’ N, 99°12.4’ W, Applequist & Townesmith 325).

**Bromus inermis** Leyss. (Poaceae), smooth brome. Map 1913. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1247).

**Bromus japonicus** Thunb. ex Murray (Poaceae), Japanese brome. Map 1914. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1246) and HUGHES County (2.2 mi off Hwy. 34 W on Rd. 21756, 44°14’ N, 99°4’ W, Meyer et al. 1537).

**Calystegia sepium** (L.) R. Br. subsp. angulata Brummitt [Convolulus sepium L.] (Convolvulaceae), hedge bindweed. Map 1035. HUGHES County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1289).

**Carex brevior** (Dewey) Mack. ex Lunell (Cyperaceae), fescue sedge. Map 1739. BUFFALO County (1 mi N on Hwy. 47 from Ft. Thompson, then E 0.5–1 mi, 44°5.2’ N, 99°25.7’ W, Meyer & Pemberton 1439).

**Carex eleocharis** L. (Cyperaceae), leaf sedge. Map 1754. HUGHES County (2.2 mi on Hwy. S from Hwy. 47, 43°57.9’ N, 99°18.4’ W, Meyer et al. 1577).

**Chenopodium falling** L. (Amaranthaceae), tall cinquefoil. Map 571. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1564).

**Celastrus scandens** L. (Celastraceae), climbing bittersweet. Map 822. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stack dam, 44°15.3’ N, 99°41.6’ W, Meyer & Pemberton 1425).

**Celtis occidentalis** L. (Cannabaceae), hackberry. Map 127. BUFFALO County (2.2 mi on Hwy. S from Ft. Thompson toward Missouri River, 44°2.9’ N, 99°24.6’ W, Meyer & Grassrope 1318) and HUGHES County (4 mi on Rd. 21756 off Hwy. 34, at Missouri River, Meyer et al. 1518).

**Chenopodium glaucum** L. (Amaranthaceae), oak-leaved goosefoot. Map 258. BUFFALO County (2.1 mi E on Hwy. 34 from Hwy. 47, 44°4.6’ N, 99°17.0’ W, Meyer 1357).

**Chenopodium pratericola** Rydb. (Amaranthaceae). Map 256. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., behind the Whiting home, 43°58.0’ N, 99°12.4’ W, Meyer et al. 1297).

**Chenopodium simplex** (Torr.) Raf. [Chenopodium hybridum L.] (Amaranthaceae), maple-leaved goosefoot. Map 259. This plant was called C. gigantispermum Aellen by Great Plains Flora Association (1981), which notes the American species to be properly separated from C. hybridum sensu stricto, a European taxon.

HUGHES County (2.6 mi off Hwy. 34 on Rd. 21756, 44°14’ N, 99°41’ W, Meyer et al. 1284) and BUFFALO County (1.5 mi off Hwy. 47 on road to E near Stephan, 44°13.0’ N, 99°25.5’ W, Meyer et al. 1367).

**Chorispora tenella** (Pall.) DC. (Brassicaceae), maple-leaved mustard. Map 452. BUFFALO County (Crow Creek river bottom along SD Route 50, 2 mi S of Route 47, 43°58.7’ N, 99°18.9’ W, Townesmith & Applequist 2455).

**Cirsium foedus** (Ryd.) Arthur (Asteraceae), prairie thistle. Map 1430. BUFFALO County (1 mi N on Hwy. 47 from Ft. Thompson, then E 0.5–1 mi, 44°5.2’ N, 99°25.7’ W, Meyer & Pemberton 1439).

**Cirsium undulatum** (Nutt.) Spreng. (Asteraceae), waveleaf thistle. Map 1433. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1293).

**Dalea enneandra** Nutt. (Fibaceae), nineanther dalea. Map 668. BUFFALO County (2.5 mi S on Hwy. 47 from Hwy. 50, 43°57.9’ N, 99°18.4’ W, Meyer et al. 1577).

**Delphinium carolinianum** Walter subsp. virescens (Nutt.) R.E. Brooks [Delphinium virescens Nutt.] (Ranunculaceae), prairie larkspur. Map 85. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1392 and Meyer et al. 1529).

**Dichanthelium oligosanthes** (Schult.) Gould var. scriberianum (Nash) Gould [Panicum oligo-santhes Schult. var. scriberianum (Nash) Fernald] (Poaceae), small panicgrass. Map 2037. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer & Pemberton 1251).

**Drymocallis arguta** (Pursh) Rydb. [Potentilla arguta Pursh] (Rosaceae), tall cinquefoil. Map 571. This species has been placed within Potentilla in most recent literature, but the forthcoming *Flora of North America* treatment of Potentil- lae will recognize several segregate genera, including Drymocallis (Ertter 2007). BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1563).

**Drymocallis glandulosa** (Lindl.) Rydb. [Potentilla glandulosa Lindl.] (Rosaceae), sticky cinquefoil. As traditionally defined, this is a mostly northwestern species whose range at the eastern extreme extends into western South Dakota, with a disjunct population reported in the eastern Codington County. Ertter (2007) implies that it may be considered strictly western in her “unabashedly provi-sional” treatment, but does not make clear how the most eastern populations will be otherwise classified. BUFFALO County (2.2 mi on Hwy. 47 S from Ft. Thompson toward Missouri River, 44°2.9’ N, 99°24.6’ W, Meyer & Grassrope 1314).
Echinochloa crus-galli (L.) Beauv. (Poaceae), barnyardgrass. Map 1949. BUFFALO County (1.5 mi off Hwy. 47 on road to E near Stephan, 44°13.0’ N, 99°25.5’ W, Meyer et al. 1361).

Elaeagnus angustifolia L. (Elaeagnaceae), Russian olive. Map 809. HUGHES County (2.5 mi E from West Bend Rd./15 & 320 Rd., 0.6 mi on access road to Missouri River, 44°8.5’ N, 99°49.0’ W, 5 July 2012, Meyer et al. 1502 and Meyer et al. 1503).

Eleocharis erythropoda Steud. (Cyperaceae). Map 1826. HUGHES County (2.6 mi off Hwy. 34 on Rd. 21756, 44°14’ N, 99°41’ W, Meyer et al. 1466).

Elymus virginiensis L. (Poaceae), Virginia wild rye. Map 1958. HUGHES County (S on Rd. 21756 from Hwy. 34, W on side road, at stock dam, 44°15.3’ N, 99°41.6’ W, Meyer et al. 1277; 2.6 mi off Hwy. 34 on Rd. 21756, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1288).

Euphorbia marginata Pursh (Euphorbiaceae), snow-on-the-mountain. HUGHES County (2.2 mi off Hwy. 34 on Rd. 21756, 44°14’ N, 99°41’ W, Meyer et al. 1531; Joe Creek Recreation Area, 44°8.8’ N, 99°47.8’ W, Meyer et al. 1566).

Euphorbia spathulata Lam. (Euphorbiaceae). Map 859. HUGHES County (2.6 mi off Hwy. 34 on Rd. 21756, 44°14’ N, 99°41’ W, Meyer et al. 1285) and BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 44°58.0’ N, 99°12.4’ W, Meyer et al. 1295 and Meyer et al. 1402).

Fraxinus pennsylvanica Marshall (Oleaceae), red or green ash. Maps 1193 and 1194. The species was collected from HUGHES County (2.6 mi off Hwy. 34 on Rd. 21756, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1468).

Galium boreale L. (Rubiaceae), northern bedstraw. Map 1290. HUGHES County (S on Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’ N, 99°41.6’ W, Meyer & Pemberton 1267).

Geranium viscosissimum Fisch. & C.A. Mey. (Geraniaceae). This primarily Western species has been reported only from a few scattered localities in the Great Plains, including 3 of the westernmost counties in South Dakota. A collection from HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’ N, 99°41.6’ W, Meyer & Pemberton 1422) represents a significant extension of its range.

Gleditsia triacanthos L. (Fabaceae), honey locust. HUGHES County (2.5 mi E from West Bend Rd./15 & 320 Rd., 0.6 mi on access road to Missouri River, 44°8.5’ N, 99°49.0’ W, Meyer et al. 1498).

Grindelia squarrosa (Pursh) Dunal (Asteraceae), curly-top gumweed. Maps 1488–1490. HUGHES County (1.3 mi off West Bend Rd. on Rd. 320/15, 44°9.6’ N, 99°46.0’ W, Meyer et al. 1484; 2.6 mi off Hwy. 34 on Rd. 21756, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1508; Big Bend District, near Pow-Wow grounds, Meyer et al. 1584).

Hedeoma hispida Pursh (Lamiaceae), rough pennyroyal. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1482).

Helenium pauciflorus Nutt. subsp. subhomboides (Rydbl.) O. Spring & E.E. Schill. [H. rigidus (Cass.) Desf. subsp. subhomboides (Ryd.) Heiser] (Asteraceae), stiff sunflower. Map 1515. BUFFALO County (Crow Creek District, 2.5 mi S of Hwy. 50 on Hwy. 47, 43°58’ N, 99°18’ W, Meyer et al. 1570).

Helopsis helianthoides (L.) Sweet var. scabra (Dunal) Fernald (Asteraceae), false sunflower. Map 1519. HUGHES County (Rd. 21756, 2.6 mi S of Hwy. 34, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1278 and Meyer et al. 1286).

Heterotheca villosa (Pursh) Shinners var. villosa [Chrysopsis villosa (Pursh.) Nutt. var. villosa] (Asteraceae), golden aster. Map 1417. HUGHES County (Joe Creek Recreation Area, 44°8.8’ N, 99°47.8’ W, Meyer 1349).

Hieracium umbellatum L. (Asteraceae). Map 1524. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’ N, 99°12.4’ W, Meyer et al. 1301).

Juncus dudleyi Wieand (Juncaceae), Dudley rush. Map 1715. HUGHES County (2.6 mi off Hwy. 34 on Rd. 21756, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1291) and BUFFALO County (Old Ft. Thompson, near dam, along Missouri River, 44°12’ N, 99°26’ W, Meyer et al. 1362).

Juncus nodosus L. (Juncaceae), knotted rush. Map 1721. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’ N, 99°41.6’ W, Meyer & Pemberton 1269; 2.6 mi on Rd. 21756 off Hwy. 34, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1475).

Juniperus virginiana L. (Cupressaceae), red cedar. Map 52. HUGHES County (Joe Creek Recreation Area, 44°8.8’ N, 99°47.8’ W, Meyer et al. 1569; toward North Shore Recreation Area on Rd. 21756, 44°14.8’ N, 99°40.5’ W, Meyer 1258 and 1259).

Koeleria macrantha (Ledeb.) Schult. [Koeleria pyramidata (Lam.) Beauv.] (Poaceae), junegrass. Map 1990. This species has previously been synonymized with K. pyramidata, which, however, is a distinct European species (Arnow 1994). HUGHES County (2.6 mi on Rd. 21756 off Hwy. 34, 44°13.6’ N, 99°41.1’ W, Meyer et al. 1271).

Lactuca serriola L. (Asteraceae), prickly lettuce. Map 1549. HUGHES County (2.6 mi on County Rd. 21756 toward North Shore Recreation Area, 44°14’ N, 99°41’ W, Meyer et al. 1283) and BUFFALO County (2.5 mi S on
Lomatium foeniculaceum (Nutt.) J.M. Coult. & Rose var. foeniculaceum (Apiaceae), wild parsley. Map 945. HUGHES County (around North Bend Recreation Area, 44°13′34″N, 99°41′06″W, Applequist & Townesmith 321), BUFFALO County (0.5 mi N of 236th St. and 349th Ave.; 43°58′0″N, 99°12′4″W, Applequist & Townesmith 324), and HYDE County (T109N R70W S25, 1 mi SE of intersection of SD Routes 47/34, W of road, Townsmess 2465).

Lomatium orientale J.M. Coult. & Rose (Apiaceae), wild parsley. Map 948. HUGHES County (near stock dam W of Rd. 21756, 44°15′3″N, 99°41′6″W, Applequist & Townesmith 337) and BUFFALO County (along unimproved extension of 334th Ave., 3.0 mi N of 226th St., hillsides above Missouri River, 44°8′8″N, 99°31′2″W, Townsmess 2469 and Townsmess 2470).

Lonicera tatarica L. (Caprifoliaceae), Tatarian honeysuckle. Map 1308. HUGHES County (Joe Creek Recreation Area, 44°8′8″N, 99°47′8″W, Meyer 1342).

Lycopus americanus Muhl. ex W.P.C. Barton (Lamiaceae), American bugleweed. BUFFALO County (2.1 mi E on Hwy. 34 from Hwy. 47, 44°4′6″N, 99°17′0″W, Meyer 1355).

Lygodium jincaea (Pursh) D. Don ex Hook. (Asteraceae), skeletonweed. Map 1559. BUFFALO County (2.1 mi on SD Rd. 8 from North Shore turnoff, shelterbelt, 44°5′5″N, 99°32′0″W, Meyer 1359).

Maianthemum stellatum (L.) Link [Smilacina stellata (L.) Desf.] (Asparagaceae), spikenard. Map 2171. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15′3″N, 99°41′6″W, Meyer & Pemberton 1421; same loc., Applequist & Townesmith 340).

Medicago lupulina L. (Fabaceae), black medic. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58′0″N, 99°12′4″W, Meyer et al. 1393).

Medicago sativa L. (Fabaceae), alfalfa. Map 705. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58′0″N, 99°12′4″W, Meyer et al. 1359).

Melilotus albus Medik. (Fabaceae), white sweet clover. Map 706. BUFFALO County (0.1 mi E on Pomani Rd. from Eagle Rd., 44°4′6″N, 99°27′6″W, Meyer 1371) and HUGHES County (Big Bend District, 2.6 mi on Rd. 21756 toward North Shore Recreation Area, Cheney Rush tributary, 44°14′N, 99°41′W, Meyer 1255).

Melilotus officinalis (L.) Lam. (Fabaceae), yellow sweet clover. Map 707. BUFFALO County (2.8 mi S on Hwy. 47 from Hwy. 50, 43°37′9″N, 99°18′4″W, Meyer & Claymore 1369; 0.5 mi N of 236 St. & 349 Ave., 43°58′0″N, 99°12′4″W, Meyer et al. 1562).

Mentha arvensis L. (Lamiaceae), field mint. Map 1147. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15′3″N, 99°41′6″W, Meyer et al. 1556) and BUFFALO County (2.1 mi E on Hwy. 34 from Hwy. 47, 44°4′6″N, 99°17′0″W, Meyer 1356).

Mentzelia nudicaulis (Pursh) Torr. & A. Gray (Loasaceae), bractless mentzelia. Map 392. HUGHES County (Joe Creek Recreation Area, 44°8′8″N, 99°47′8″W, Meyer 1340).

Monarda fistulosa L. (Lamiaceae), wild bergamot. Maps 1150 and 1151. HUGHES County (1 mi on SD County Rd. 21756, 0.4 mi to ravine, 0.6 mi to fence, 44°15′3″N, 99°41′6″W, Meyer et al. 1456).

Mussineon dubricatum (Pursh) Nutt. (Apiaceae). Map 949. BUFFALO County (Crow Creek river bottom along SD route 50, 2 mi S of Route 47, 43°58′7″N, 99°18′9″W, Townsmess & Applequist 2456; along unimproved extension of 334th Ave., 3.0 mi N of 226th St., hillsides above Missouri River, 44°8′8″N, 99°31′2″W, Townsmess 2468).

Oenothera villosa Thumb. (Onagraceae), hairy evening primrose. BUFFALO County (2.2 mi on Hwy. S of Ft. Thompson toward Missouri River, 44°2′9″N, 99°24′6″W, Meyer & Grassrope 1320).

Opuntia macrorhiza Engelm. (Cactaceae), bigroot prickly pear. Map 192. BUFFALO County (1 mi N on Hwy 47 from Ft. Thompson, then E 0.5–1 mi, 44°5′2″N, 99°25′7″W, Meyer & Pemberton 1449).

Oxalis dillenii Jacq. (Oxalidaceae). Map 901. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58′0″N, 99°12′4″W, Meyer & Pemberton 1415).

Oxytropis lambertii Pursh (Fabaceae), purple locoweed. Map 709. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58′0″N, 99°12′4″W, Meyer et al. 1391).

 Panicum virgatum L. (Poaceae), switchgrass. Map 2044. BUFFALO County (1.0 m S on Hwy. 47 from Hwy. 34, at bridge, 44°2′9″N, 99°24′6″W, Meyer & Grassrope 1329).

Parthenocissus tricuspidata (Knerr) Hitchc. (Vitaceae), woodbine. Map 873. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15′3″N, 99°41′6″W, Meyer & Pemberton 1264).

Pascopyrum smithii (Rydb.) Barkworth & D.R. Dewey [Agropyrum smithii Rydb.] (Poaceae), western wheatgrass. Map 1871. BUFFALO County (2.1 mi on SD Rd. 8 from North Shore turn off, 44°5′5″N, 99°32′0″W, Meyer 1360; 1 mi N on Hwy. 47 from Ft. Thompson, then E 0.5–1 mi, 44°5′2″N, 99°25′7″W, Meyer & Pemberton 1440).
Phalaris arundinacea L. (Poaceae), reed canarygrass. Map 2054. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’N, 99°41.6’W, Meyer & Pemberton 1427).

Phragmites australis (Cav.) Trin. ex Steud. (Poaceae). Map 2058. BUFFALO County (0.1 mi E on Pomani Rd. from Eagle Rd., 44°4.6’N, 99°27.6’W, Meyer 1372). The specimen is sterile, but the ligule length of about 1.4 mm suffices to indicate that it belongs to the native North American lineage rather than to the more common introduced lineage (Saltonstall et al. 2004).

Pinus ponderosa P. Lawson & C. Lawson (Pinaceae), ponderosa pine. Map 46. HUGHES County (Joe Creek Recreation Area, 44°8.8’N, 99°47.8’W, Meyer 1343). This specimen represents the northeasternmost known locality in South Dakota for this primarily western species.

Plantago major L. (Plantaginaceae), common plantain. Map 1184. HUGHES County (2.6 mi on County Rd. 21756 toward North Shore Recreation Area, 44°14’N, 99°41’W, Meyer et al. 1276).

Poa pratensis L. (Poaceae), Kentucky bluegrass. Map 2071. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’N, 99°12.4’W, Meyer et al. 1245).

Polygala albo Nutt. (Polygalaceae), white milkwort. Map 918. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’N, 99°12.4’W, Meyer et al. 1388).

Polygala verticillata L. (Polygalaceae), whorled milkwort. Map 922. HUGHES County (2.6 mi on County Rd. 21756 toward North Shore Recreation Area, Cheney Rush Creek, 44°14’N, 99°41’W, Meyer et al. 1287).

Potentilla paradoxa Nutt. (Rosaceae), bushy cinquefoil. Map 577. BUFFALO County (2.2 mi on Hwy. 47 S of Ft. Thompson toward Missouri River, 44°2.9’N, 99°24.6’W, Meyer & Grassrope 1313).

Quercus macrocarpa Michx. (Fagaceae), bur oak. Map 156. HUGHES County (2.6 mi S of Hwy. 34 on SD Rd. 21756, 44°13.6’N, 99°41.1’W, Meyer et al. 1469).

Ranunculus cymbalaria Pursh (Ranunculaceae), shore buttercup. Map 91. HUGHES County (2.6 mi S of Hwy. 34 on SD Rd. 21756, Cheney Rush Creek, 44°13.6’N, 99°41.1’W, Meyer et al. 1290).

Rhus glabra L. (Anacardiaceae), smooth sumac. Map 892. HUGHES County (Joe Creek Recreation Area, 44°8.8’N, 99°47.8’W, Meyer 1347).

Rorippa curvipes Greene (Brassicaceae). Map 2.2 mi on Hwy. 47 of Ft. Thompson toward Missouri River, 44°2.9’N, 99°24.6’W, Meyer & Grassrope 1322).

Runella maritima L. [Runella maritima L. var. fucaginüs (Phil.) Dusen] (Polygonaceae), golden dock. Map 330. BUFFALO County (2.0 mi on Hwy. 47 S of Hwy. 34, at Rd. 235, Crow Creek, 43°58.6’N, 99°18.9’W, Meyer & Grassrope 1339).

Salix amygdaloides Andersson (Salicaceae), peach-leaved willow. Map 406. BUFFALO County (2.2 mi on Hwy. 47 S of Ft. Thompson toward Missouri River, 44°2.9’N, 99°24.6’W, Meyer & Grassrope 1324; 2.0 mi on Hwy. 47 S of Hwy. 34, at Rd. 235, Crow Creek, 43°58.6’N, 99°18.9’W, Meyer & Grassrope 1338; 2.1 mi E on Hwy. 34, 44°4.6’N, 99°17.0’W, Meyer 1354; 2.2 mi S of Ft. Thompson on Hwy. 47, ravinie to S of road, 44°2.9’N, 99°24.6’W, Applequist & Townesmith 330).

Salix interior Rowlee [Salix exigua Nutt. subsp. interior (Rowlee) Cronquist] (Salicaceae), coyote willow. Map 412. The most recent treatment of North American Salix (Argus 2010) recognizes S. interior as distinct from the widespread western species S. exigua, though distinguishing characters, such as flat vs. minutely revolute leaf margins, are small, and the two are known to hybridize. BUFFALO County (Crow Creek river bottom along SD Route 50, 2 mi S of Route 47, 43°58.7’N, 99°18.9’W, Townesmith & Applequist 2454).

Schizachyrium scoparium (Michx.) Nash [Andropogon scoparius Michx.] (Poaceae), little bluestem. Map 1888. BUFFALO County (2.8 mi S on Hwy. 47 from Hwy. 50, 43°57.9’N, 99°18.4’W, Meyer & Claymore 1368).

Scirpus pallidus (Britt.) Fern. [Scirpus atroviolens Willd, var. pallidus Britt.] (Cyperaceae), dark-green bulrush. Map 1849. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’N, 99°41.6’W, Meyer & Pemberton 1270).

Scrophularia lanceolata Pursh (Scrophulariaceae), figwort. Map 1245. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’N, 99°41.6’W, Meyer & Pemberton 1431).

Shepherdia argentea (Pursh) Nutt. (Elaeagnaceae), buffaloberry. Map 811. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3’N, 99°41.6’W, Meyer et al. 1266).

Silene antirrhina L. (Caryophyllaceae), sleepy catchfly. Map 221. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0’N, 99°12.4’W, Meyer & Pemberton 1418).

Solanum rostratum Dunal (Solanaceae), buffalo bur. Map 1030. HUGHES County (2.2 mi off Hwy. 34 on Rd. 21756, 44°14’N, 99°41’W, Meyer et al. 1536).

Solidago gigantea Aiton (Asteraceae), late goldenrod. Map 1616. BUFFALO County (2.6 mi on
Solidago mollis Bartr. (Asteraceae), soft goldenrod. Map 1622. BUFFALO County (0.5 mi N of 236 St. & 349 Ave., 43°58.0' N, 99°12.4' W, Meyer et al. 1536).

Solidago rigida L. var. humilis Porter (Asteraceae), rigid goldenrod. Map 1625. HUGHES County (S from Hwy. 34 on Rd. 21756, W on side road, at stock dam, 44°15.3' N, 99°41.6' W, Meyer et al. 1537).

Taraxacum officinale L. (Ulmaceae), American elm. Map 362. HUGHES County (1.1 mi down SD Rd. 21756, 0.4 mi to ravine, 0.6 mi to fence, 44°15.3' N, 99°41.6' W, Meyer et al. 1460; Joe Creek Recreation Area, 44°8.5' N, 99°47.8' W, Meyer et al. 1567).

Verbena hastata L. (Verbenaceae), blue vervain. Map 1122. HUGHES County (1.1 mi down SD Rd. 21756, 0.4 mi to ravine, 0.6 mi to fence, 44°15.3' N, 99°41.6' W, Meyer et al. 1460; Joe Creek Recreation Area, 44°8.5' N, 99°47.8' W, Meyer et al. 1567).

Viola adunca Sm. (Violaceae), small blue violet. Map 369. HUGHES County (near stock dam W of Rd. 21756, 44°15.3' N, 99°41.6' W, Applequist & Townesmith 339).

Xanthium strumarium L. (Asteraceae), cocklebur. Map 1658. HUGHES County (1.1 mi down SD Rd. 21756, 0.4 mi to ravine, 0.6 mi to fence, 44°15.3' N, 99°41.6' W, Meyer et al. 1453).

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