

Appendix B. Annotated checklist of vascular plants known from Bluestone National Scenic River, West Virginia.

Taxa are arranged alphabetically within families which are arranged alphabetically within Divisions. Divisions are arranged in phylogenetic order starting with fern allies, then ferns, then conifers, followed by the flowering plants.

Information on each taxon includes, in the following order and format:

Division

Family

Scientific name with authority (common name in parenthesis): nativity status (“native,” “adventive,” “introduced,” or “exotic” - see Appendix C for definitions); if it is invasive (“invasive”) and, if it is, invasive rank (“severe threat,” “significant threat,” “lesser threat,” or “watch list” - see Appendix D for definitions); estimated abundance (“abundant,” “common,” “uncommon,” “rare,” or “unknown abundance” - see Appendix E for definitions); if it is tracked by West Virginia Natural Heritage Program as rare, threatened, or endangered (“WVNHP tracked”) and, if it is, state rank (“S1,” “S1S2,” “S2,” “S2S3,” “S3,” or “SH”), global rank (“G2,” “G2Q,” “G3,” “G3G4,” “G4,” “G4T4,” “G5,” “G5T1,” “G5T3,” “G5T5,” or “GNR”), and federal status (“LT”) if listed (see Appendix A for rank and status definitions); if there are collections (collectors’ last names and collection numbers [“S.N.” if no collection number is indicated on the herbarium label]); if a collection from the 2003–2006 surveys is a state or county record (“Mercer County Record,” “Summers County Record,” or “WV State Record”) or, if the taxon documented during the 2003–2006 surveys had been collected, the collection would have been a county record (“Potential Mercer County Record” or “Potential Summers County Record”); if the species was identified in a vegetation plot during 2003–2006 (“identified in a vegetation plot during 2003–2006”); if there are literature source(s) documenting the species occurrence in the park (author and date citations, in parenthesis).

Collections by Streets, Vanderhorst, and Short are deposited in either or both of the herbaria at West Virginia University in Morgantown, WV and the National Park Service in Glen Jean, WV. Collections by Oxley, Chapman, and Harris are deposited in the herbarium at Concord University in Athens, WV. Collections by Norris are deposited in the herbarium of the West Virginia Natural Heritage Program in Elkins, WV. All other collections are deposited at West Virginia University.

Equisetophyta

Equisetaceae

Equisetum hyemale L. var. *affine* (Engelm.) A. A. Eat. (scouringrush horsetail): native; uncommon; Streets 1351, Vanderhorst 6783; identified in a vegetation plot during 2003–2006.

Lycopodiophyta

Lycopodiaceae

Huperzia lucidula (Michx.) Trevisan (shining clubmoss): native; unknown abundance; Oxley 12, Harris S.N.; (Oxley 1975).

Lycopodium digitatum Dill. ex A. Braun (fan clubmoss): native; common; Oxley 15; identified in a vegetation plot during 2003–2006.

Lycopodium tristachyum Pursh (deeproot clubmoss): native; unknown abundance; (Rentch et al. 2005).

Selaginellaceae

Selaginella apoda (L.) Spring (meadow spikemoss): native; unknown abundance; Chapman S.N., Harris S.N.; (Oxley 1975).

Polypodiophyta

Adiantaceae

Adiantum pedatum L. (northern maidenhair): native; uncommon; Streets 1384, Vanderhorst 6929, Oxley 48; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Cheilanthes lanosa (Michx.) D. C. Eat. (hairy lipfern): native; uncommon; Streets 583, 604, Oxley 47; identified in a vegetation plot during 2003–2006.

Pellaea atropurpurea (L.) Link (purple cliffbrake): native; uncommon; Streets 1398a, Short 52, Grafton S.N., Oxley 45; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Aspleniaceae

Asplenium xebenooides R. R. Scott (pro sp.) (Scott's spleenwort): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Asplenium platyneuron (L.) B. S. P. (ebony spleenwort): native; common; Streets 445b, 1443; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Asplenium resiliens Kunze (blackstem spleenwort): native; unknown abundance; (Oxley 1975).

Asplenium rhizophyllum L. (walking fern): native; common; Streets 1316, 1329, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Asplenium trichomanes L. (maidenhair spleenwort): native; unknown abundance; Oxley 44; (Oxley 1975).

Dennstaedtiaceae

Pteridium aquilinum (L.) Kuhn (western brackenfern): native; common; identified in a vegetation plot during 2003–2006.

Dryopteridaceae

- Athyrium filix-femina* (L.) Roth ssp. *asplenioides* (Michx.) Hultén (asplenium ladyfern): native; uncommon; Streets 1632.
- Cystopteris bulbifera* (L.) Bernh. (bulblet bladderfern): native; unknown abundance; Boone 637, Oxley 30; (Oxley 1975).
- Cystopteris protrusa* (Weatherby) Blasdell (lowland bladderfern): native; unknown abundance; Grafton S.N.
- Deparia acrostichoides* (Sw.) M. Kato (silver false spleenwort): native; uncommon; Oxley 40; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Diplazium pycnocarpon* (Spreng.) Broun (glade fern): native; uncommon; Streets 1615; (Oxley 1975).
- Dryopteris goldiana* (Hook. ex Goldie) Gray (Goldie's woodfern): native; uncommon; Streets 1618; (Oxley 1975)
- Dryopteris intermedia* (Muhl. ex Willd.) Gray (intermediate woodfern): native; common; Streets 598, Oxley 34; identified in a vegetation plot during 2003–2006.
- Dryopteris marginalis* (L.) Gray (marginal woodfern): native; common; Streets 499, 1320, Vanderhorst 6614; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).
- Onoclea sensibilis* L. (sensitive fern): native; common; Vanderhorst 6974, Oxley 31; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).
- Polystichum acrostichoides* (Michx.) Schott (Christmas fern): native; abundant; Streets 518; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).
- Woodsia obtusa* (Spreng.) Torr. ssp. *obtusa* (bluntlobe cliff fern): native; uncommon; Streets 585, Vanderhorst 7002.

Ophioglossaceae

- Botrychium virginianum* (L.) Sw. (rattlesnake fern): native; uncommon; Streets 1629; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Osmundaceae

- Osmunda cinnamomea* L. (cinnamon fern): native; unknown abundance; (Norris 1992).
- Osmunda claytoniana* L. (interrupted fern): native; uncommon; Streets 1644; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).
- Osmunda regalis* L. var. *spectabilis* (Willd.) Gray (royal fern): native; uncommon; Streets 527, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Polypodiaceae

- Polypodium appalachianum* Haufler & Windham (Appalachian polypody): native; uncommon; Vanderhorst 6818; Mercer County record; identified in a vegetation plot during 2003–2006.
- Polypodium virginianum* L. (rock polypody): native; common; Streets 600, Vanderhorst 6613; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Thelypteridaceae

Phegopteris hexagonoptera (Michx.) Fée (broad beechfern): native; uncommon; Streets 1628; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Thelypteris noveboracensis (L.) Nieuwl. (New York fern): native; common; Streets 1349; identified in a vegetation plot during 2003–2006; (Norris 1992).

Pinophyta

Cupressaceae

Juniperus virginiana L. var. *virginiana* (eastern redcedar): native; uncommon; Streets 603, 1622; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Thuja occidentalis L. (arborvitae): native; rare; WVNHP tracked, S2, G5; Streets 1424, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Norris 1992).

Pinaceae

Pinus pungens Lamb. (Table Mountain pine): native; unknown abundance; (Oxley 1975, Norris 1992).

Pinus rigida P. Mill. (pitch pine): native; unknown abundance; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Pinus strobus L. (eastern white pine): native; abundant; Streets 470; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Pinus virginiana P. Mill. (Virginia pine): native; common; Vanderhorst 6759, 6772; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Tsuga canadensis (L.) Carr. (eastern hemlock): native; abundant; Vanderhorst 6760; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Taxaceae

Taxus canadensis Marsh. (Canada yew): native; unknown abundance; WVNHP tracked, S2S3, G5; Oxley 52; (Oxley 1975).

Magnoliophyta

Aceraceae

Acer negundo L. var. *negundo* (boxelder): native; common; Streets 343, 457, 1341; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Acer nigrum Michx. f. (black maple): native; common; Streets 736a, Short 23; identified in a vegetation plot during 2003–2006.

Acer pensylvanicum L. (striped maple): native; abundant; Streets 352, 1319; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Acer rubrum L. var. *rubrum* (red maple): native; abundant; Streets 1646; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Acer saccharum Marsh. var. *saccharum* (sugar maple): native; abundant; Streets 323; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Acer spicatum Lam. (mountain maple): native; rare; (Oxley 1975).

Acoraceae

Acorus calamus L. (calamus): native; uncommon; Vanderhorst 6944.

Alismataceae

Alisma subcordatum Raf. (American water plantain): native; uncommon; Streets 1343, 1408.

Sagittaria latifolia Willd. (broadleaf arrowhead): native; uncommon; Vanderhorst 7150.

Anacardiaceae

Rhus aromatica Ait. var. *aromatica* (fragrant sumac): native; common; Streets 569; identified in a vegetation plot during 2003–2006.

Rhus glabra L. (smooth sumac): native; unknown abundance; (Oxley 1975).

Rhus typhina L. (staghorn sumac): native; unknown abundance; Oxley 977; (Oxley 1975).

Toxicodendron radicans (L.) Kuntze (eastern poison ivy): native; abundant; Streets 1353, 1662; Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Toxicodendron radicans (L.) Kuntze ssp. *negundo* (Greene) Gillis (eastern poison ivy): native; abundant; identified in a vegetation plot during 2003–2006.

Annonaceae

Asimina triloba (L.) Dunal (pawpaw): native; uncommon; Streets 342, 359; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Apiaceae

Chaerophyllum procumbens (L.) Crantz var. *procumbens* (spreading chervil): native; uncommon; Streets 381.

Cicuta maculata L. var. *maculata* (spotted water hemlock): native; uncommon; Vanderhorst 7068; identified in a vegetation plot during 2003–2006.

Conium maculatum L. (poison hemlock): exotic; invasive, lesser threat; uncommon; Streets 549.

Cryptotaenia canadensis (L.) DC. (Canadian honewort): native; common; Streets 460, 493; identified in a vegetation plot during 2003–2006.

Daucus carota L. (Queen Anne's lace): exotic; invasive, lesser threat; abundant; Streets 681; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Ligusticum canadense (L.) Britt. (Canadian licorice-root): native; uncommon; identified in a vegetation plot during 2003–2006.

Osmorhiza claytonii (Michx.) C. B. Clarke (Clayton's sweetroot): native; common; Streets 741, Streets 1367; identified in a vegetation plot during 2003–2006.

- Osmorhiza longistylis* (Torr.) DC. (longstyle sweetroot): native; common; Streets 443; identified in a vegetation plot during 2003–2006.
- Sanicula canadensis* L. (Canadian blacksnakeroot): native; common; identified in a vegetation plot during 2003–2006.
- Sanicula canadensis* L. var. *canadensis* (Canadian blacksnakeroot): native; common; Streets 573, 588, 626, 644a, 744, 1426; identified in a vegetation plot during 2003–2006.
- Sanicula odorata* (Raf.) K. M. Pryer & L. R. Phillippe (clustered blacksnakeroot): native; common; Streets 497, Vanderhorst 7083; identified in a vegetation plot during 2003–2006.
- Sanicula trifoliata* Bickn. (largefruit blacksnakeroot): native; uncommon; Streets 1369, Vanderhorst 7058; Mercer County record, Summers County record; identified in a vegetation plot during 2003–2006.
- Sium suave* Walt. (hemlock waterparsnip): native; uncommon; Vanderhorst 7151.
- Taenidia integerrima* (L.) Drude (yellow pimperl): native; uncommon; Streets 385, Peeke S.N.; identified in a vegetation plot during 2003–2006.
- Thaspium barbinode* (Michx.) Nutt. (hairyjoint meadowparsnip): native; common; Streets 719; identified in a vegetation plot during 2003–2006.
- Zizia aptera* (Gray) Fern. (meadow zizia): native; uncommon; (Rentch et al. 2005).
- Zizia aurea* (L.) W. D. J. Koch (golden zizia): native; common; Streets 496, Vanderhorst 7077; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).
- Zizia trifoliata* (Michx.) Fern. (meadow alexanders): native; common; Streets 324, 363, Short 53; identified in a vegetation plot during 2003–2006.

Apocynaceae

- Apocynum cannabinum* L. (Indianhemp): native; uncommon; Streets 1358; identified in a vegetation plot during 2003–2006.

Aquifoliaceae

- Ilex opaca* Ait. var. *opaca* (American holly): native; unknown abundance; (Oxley 1975).
- Ilex verticillata* (L.) Gray (common winterberry): native; uncommon; Vanderhorst 7096, Short 35; (Norris 1992).

Araceae

- Arisaema dracontium* (L.) Schott (green dragon): native; uncommon; Streets 407, 454; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.
- Arisaema triphyllum* (L.) Schott ssp. *triphyllum* (Jack in the pulpit): native; uncommon; Streets 390, Vanderhorst 6823, 7055; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Araliaceae

- Aralia nudicaulis* L. (wild sarsaparilla): native; uncommon; identified in a vegetation plot during 2003–2006.
- Aralia racemosa* L. ssp. *racemosa* (American spikenard): native; common; Streets 1425, 1432, Boone 502; identified in a vegetation plot during 2003–2006.
- Aralia spinosa* L. (devil's walkingstick): native; uncommon; (Norris 1992).

Panax quinquefolius L. (American ginseng): native; uncommon; Streets 1441, Grafton S.N.; Mercer County record; identified in a vegetation plot during 2003–2006.

Aristolochiaceae

Aristolochia macrophylla Lam. (pipevine): native; uncommon; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Aristolochia serpentaria L. (Virginia snakeroot): native; uncommon; Streets 1571; identified in a vegetation plot during 2003–2006.

Asarum canadense L. (Canadian wildginger): native; uncommon; Streets 351; identified in a vegetation plot during 2003–2006.

Hexastylis virginica (L.) Small (Virginia heartleaf): native; uncommon; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Asclepiadaceae

Asclepias incarnata L. ssp. *pulchra* (Ehrh. ex Willd.) Woods. (swamp milkweed): native; uncommon; Streets 709, 1377; (Oxley 1975).

Asclepias quadrifolia Jacq. (fourleaf milkweed): native; uncommon; Streets 450; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Asclepias syriaca L. (common milkweed): native; common; Streets 1406; Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Asclepias tuberosa L. (butterfly milkweed): native; unknown abundance; (Oxley 1975).

Asclepias tuberosa L. ssp. *tuberosa* (butterfly milkweed): native; uncommon; Streets 1394.

Asclepias verticillata L. (whorled milkweed): native; uncommon; Short 42; identified in a vegetation plot during 2003–2006.

Asteraceae

Achillea millefolium L. (common yarrow): exotic; common; Streets 533a, 553; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Ageratina altissima (L.) King & H. E. Robins. var. *altissima* (white snakeroot): native; common; Streets 691, 1402; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Ambrosia artemisiifolia L. var. *elatior* (L.) Descourtils (annual ragweed): native; common; Streets 713, 1419; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Ambrosia trifida L. var. *trifida* (great ragweed): native; uncommon; Streets 689; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Anaphalis margaritacea (L.) Benth. (western pearly everlasting): native; unknown abundance; Oxley 1462; (Oxley 1975).

Antennaria plantaginifolia (L.) Richards. (woman's tobacco): native; uncommon; Streets 475, 1293b, Vanderhorst 6820; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Antennaria solitaria Rydb. (singlehead pussytoes): native; uncommon; Streets 325.

Antennaria virginica Stebbins (shale barren pussytoes): native; uncommon; identified in a vegetation plot during 2003–2006.

Arnoglossum atriplicifolium (L.) H. E. Robins. (pale Indian plaintain): native; uncommon; Vanderhorst 6973, 6784; identified in a vegetation plot during 2003–2006.

Arnoglossum muehlenbergii (Schultz-Bip.) H. E. Robins. (great Indian plaintain): native; uncommon; Potential Mercer County Record, Potential Summers County record; identified in a vegetation plot during 2003–2006.

Artemisia vulgaris L. var. *vulgaris* (common wormwood): exotic; invasive, significant threat; uncommon; Streets 1575; Summers County record; identified in a vegetation plot during 2003–2006.

Bidens bipinnata L. (Spanish needles): native; uncommon; Short 45; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Bidens cernua L. (nodding beggartick): native; common; Vanderhorst 6790, 7075; identified in a vegetation plot during 2003–2006.

Bidens frondosa L. (devil's beggartick): native; uncommon; Vanderhorst 7060; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Bidens tripartita L. (threelobe beggarticks): native; uncommon; Short 36; identified in a vegetation plot during 2003–2006.

Bidens vulgata Greene (big devils beggartick): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Brickellia eupatorioides (L.) Shinnars var. *eupatorioides* (false boneset): native; uncommon; Vanderhorst 6780.

Centaurea biebersteinii DC. (spotted knapweed): exotic; invasive, severe threat; common; (Oxley 1975).

Chrysopsis mariana (L.) Ell. (Maryland goldenaster): native; unknown abundance; (Oxley 1975).

Cichorium intybus L. (chicory): exotic; invasive, lesser threat; unknown abundance; (Oxley 1975).

Cirsium altissimum (L.) Hill (tall thistle): native; unknown abundance; (Oxley 1975).

Cirsium discolor (Muhl. ex Willd.) Spreng. (field thistle): native; uncommon; Streets 733; identified in a vegetation plot during 2003–2006.

Coreopsis auriculata L. (lobed tickseed): native; uncommon; Streets 492, Vanderhorst 6911; identified in a vegetation plot during 2003–2006; (Norris 1992).

Coreopsis major Walt. (greater tickseed): native; common; Streets 601; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Coreopsis pubescens Ell. (star tickseed): native; uncommon; identified in a vegetation plot during 2003–2006.

Coreopsis tinctoria Nutt. var. *tinctoria* (golden tickseed): introduced; uncommon; Streets 650b; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Crepis capillaris (L.) Wallr. (smooth hawksbeard): exotic; common; Streets 559.

Elephantopus carolinianus Raeusch. (Carolina elephantsfoot): native; common; Vanderhorst 7094, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Erechtites hieraciifolia (L.) Raf. ex DC. var. *hieraciifolia* (American burnweed): native; common; Vanderhorst 6761, Short 13; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Erigeron annuus (L.) Pers. (eastern daisy fleabane): native; common; Streets 524, 536, Vanderhorst 7074; identified in a vegetation plot during 2003–2006.

Erigeron philadelphicus L. var. *philadelphicus* (Philadelphia fleabane): native; uncommon; Streets 409, 441; identified in a vegetation plot during 2003–2006.

Erigeron pulchellus Michx. (robin's plantain): native; uncommon; Grafton S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Erigeron strigosus Muhl. ex Willd. var. *strigosus* (prairie fleabane): native; common; Streets 602; identified in a vegetation plot during 2003–2006.

Eupatorium fistulosum Barratt (trumpetweed): native; common; Vanderhorst 7003, Short 12, 31; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Eupatorium perfoliatum L. var. *perfoliatum* (common boneset): native; common; Vanderhorst 6980, 7092; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Eupatorium purpureum L. var. *purpureum* (sweetscented joeypyeweed): native; common; identified in a vegetation plot during 2003–2006.

Eurybia divaricata (L.) Nesom (white wood aster): native; abundant; Streets 720; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Eurybia macrophylla (L.) Cass. (bigleaf aster): native; uncommon; Short 63; identified in a vegetation plot during 2003–2006.

Eurybia schreberi (Nees) Nees (Schreber's aster): native; uncommon; Short 24; identified in a vegetation plot during 2003–2006.

Euthamia graminifolia (L.) Nutt. var. *graminifolia* (flat-top goldentop): native; uncommon; Streets 1379.

Galinsoga quadriradiata Cav. (shaggy soldier): exotic; invasive, watch list; common; Streets 653a, 726; identified in a vegetation plot during 2003–2006.

Hasteola suaveolens (L.) Pojark. (false Indian plaintain): native; unknown abundance; WVNHP tracked, S3, G3; (Oxley 1975).

Helenium autumnale L. var. *autumnale* (common sneezeweed): native; uncommon; Streets 724, Vanderhorst 6781; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Helianthus divaricatus L. (woodland sunflower): native; common; Streets 676; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Helianthus laevigatus Torr. & Gray (smooth sunflower): native; unknown abundance; WVNHP tracked, S2, G4; (Oxley 1975).

Helianthus strumosus L. (paleleaf woodland sunflower): native; uncommon; Vanderhorst 7064; Mercer County record; identified in a vegetation plot during 2003–2006.

Heliopsis helianthoides (L.) Sweet var. *helianthoides* (smooth oxeye): native; uncommon; Streets 622, 638, 758; identified in a vegetation plot during 2003–2006.

Heliopsis helianthoides (L.) Sweet var. *scabra* (Dunal) Fern. (smooth oxeye): native; uncommon; Streets 682, Vanderhorst 6971, 6983; Summers County record; identified in a vegetation plot during 2003–2006.

Hieracium xfloribundum Wimmer & Grab. (pro sp.) (hawkweed): exotic; invasive, significant threat; unknown abundance; (Oxley 1975).

Hieracium caespitosum Dumort. (meadow hawkweed): exotic; invasive, significant threat; common; Streets 417.

Hieracium gronovii L. (queendevil): native; unknown abundance; Oxley 1567; (Oxley 1975).

Hieracium paniculatum L. (Allegheny hawkweed): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Hieracium venosum L. (rattlesnakeweed): native; uncommon; Streets 435, Oxley 1566; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Hypochaeris radicata L. (hairy catsear): exotic; uncommon; Streets 554.

Lactuca canadensis L. (Canada lettuce): native; common; Streets 1431; identified in a vegetation plot during 2003–2006.

Lactuca floridana (L.) Gaertn. (woodland lettuce): native; unknown abundance; (Oxley 1975).

Leucanthemum vulgare Lam. (oxeye daisy): exotic; invasive, significant threat; common; Streets 526; identified in a vegetation plot during 2003–2006.

Matricaria discoidea DC. (disc mayweed): introduced; uncommon; Streets 1295; Summers County record.

Packera anonyms (Wood) W. A. Weber & A. Löve (Small's ragwort): native; unknown abundance; Unknown collector S.N.

Packera aurea (L.) A. & D. Löve (golden ragwort): native; common; Streets 360; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Packera obovata (Muhl. ex Willd.) W. A. Weber & A. Löve (roundleaf ragwort): native; uncommon; Streets 364, 472, 489; identified in a vegetation plot during 2003–2006.

Prenanthes alba L. (white rattlesnakeroot): native; uncommon; Oxley 1561; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Prenanthes altissima L. (tall rattlesnakeroot): native; common; Vanderhorst 6764, 7051; identified in a vegetation plot during 2003–2006.

Prenanthes serpentaria Pursh (cankerweed): native; unknown abundance; (Oxley 1975, Rentch et al. 2005).

Rudbeckia hirta L. (blackeyed Susan): native; unknown abundance; (Oxley 1975).

Rudbeckia laciniata L. var. *laciniata* (cutleaf coneflower): native; common; Streets 1573, Vanderhorst 6987; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Silphium trifoliatum L. var. *trifoliatum* (whorled rosinweed): native; uncommon; Streets 1348, Vanderhorst 6985; identified in a vegetation plot during 2003–2006.

Smallanthus uvedalius (L.) Mackenzie ex Small (hairy leafcup): native; common; Streets 673; identified in a vegetation plot during 2003–2006.

Solidago altissima L. (late goldenrod): native; unknown abundance; (Oxley 1975).

Solidago arguta Ait. (Atlantic goldenrod): native; unknown abundance; (Rentch et al. 2005).

Solidago arguta Ait. var. *caroliniana* Gray (Atlantic goldenrod): native; uncommon; Streets 1417, Vanderhorst 6765, 6775, 6854a, Short 51; identified in a vegetation plot during 2003–2006.

Solidago bicolor L. (white goldenrod): native; uncommon; Streets 1421, 1438, Vanderhorst 6755, Short 49; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Solidago caesia L. (wreath goldenrod): native; common; Streets 1444; Mercer County record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Solidago canadensis L. (Canada goldenrod): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Solidago curtisii Torr. & Gray (mountain decumbent goldenrod): native; uncommon; Streets 1446, Vanderhorst 6768, 6853, 7080; identified in a vegetation plot during 2003–2006.

Solidago flexicaulis L. (zigzag goldenrod): native; common; identified in a vegetation plot during 2003–2006.

Solidago gigantea Ait. (giant goldenrod): native; uncommon; Streets 654, 712, Vanderhorst 6998, 7069 Short 28; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Solidago hispida Muhl. ex Willd. var. *hispida* (hairy goldenrod): native; common; Streets 6777b; identified in a vegetation plot during 2003–2006.

Solidago juncea Ait. var. *juncea* (early goldenrod): native; uncommon; identified in a vegetation plot during 2003–2006.

Solidago nemoralis Ait. var. *nemoralis* (gray goldenrod): native; unknown abundance; (Oxley 1975).

Solidago rugosa P. Mill. (wrinkleleaf goldenrod): native; common; Vanderhorst 7072; identified in a vegetation plot during 2003–2006.

Solidago rugosa P. Mill. ssp. *rugosa* var. *rugosa* (wrinkleleaf goldenrod): native; common; Short 60; Summers County record; identified in a vegetation plot during 2003–2006.

Solidago sphackelata Raf. (autumn goldenrod): native; uncommon; Streets 696, Streets 1390, 1391, Short 50, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Solidago ulmifolia Muhl. ex Willd. var. *ulmifolia* (elmleaf goldenrod): native; uncommon; Streets 700, Vanderhorst 6758, 6777a, 6779, 6972; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Sonchus asper (L.) Hill ssp. *asper* (spiny sowthistle): exotic; invasive, significant threat; common; Streets 1357; identified in a vegetation plot during 2003–2006.

Symphotrichum cordifolium (L.) Nesom (common blue wood aster): native; uncommon; Vanderhorst 6766, 7056; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Symphotrichum dumosum (L.) Nesom (rice button aster): native; unknown abundance; (Oxley 1975).

Symphotrichum laeve (L.) A. & D. Löve var. *laeve* (smooth blue aster): native; uncommon; Short 46, 66; identified in a vegetation plot during 2003–2006.

Symphotrichum lateriflorum (L.) A. & D. Löve (calico aster): native; uncommon; Vanderhorst 6785, 7082; identified in a vegetation plot during 2003–2006.

Symphotrichum patens (Ait.) Nesom var. *patens* (late purple aster): native; uncommon; Vanderhorst 6763; identified in a vegetation plot during 2003–2006.

Symphotrichum pilosum (Willd.) Nesom var. *pilosum* (hairy white oldfield aster): native; uncommon; Vanderhorst 6786, 6793.

Symphotrichum praealtum (Poir.) Nesom (willowleaf aster): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Symphotrichum prenanthoides (Muhl. ex Willd.) Nesom (crookedstem aster): native; common; Vanderhorst 6795, 7067, 7081; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Symphotrichum puniceum (L.) A. & D. Löve var. *puniceum* (purplestem aster): native; uncommon; identified in a vegetation plot during 2003–2006.

Symphotrichum undulatum (L.) Nesom (wavyleaf aster): native; uncommon; Vanderhorst 6757; identified in a vegetation plot during 2003–2006.

Taraxacum officinale G. H. Weber ex Wiggers ssp. *officinale* (common dandelion): exotic; abundant; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Tussilago farfara L. (coltsfoot): exotic; invasive, significant threat; abundant; Streets 322; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Verbesina alternifolia (L.) Britt. ex Kearney (wingstem): native; common; Streets 703, Vanderhorst 7065; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Verbesina occidentalis (L.) Walt. (yellow crownbeard): native; uncommon; Vanderhorst 6788, 7088; identified in a vegetation plot during 2003–2006.

Vernonia gigantea (Walt.) Trel. ssp. *gigantea* (giant ironweed): native; uncommon; Streets 715, Vanderhorst 7046, 7078, Short 32; identified in a vegetation plot during 2003–2006.

Vernonia noveboracensis (L.) Michx. (New York ironweed): native; uncommon; Oxley 1359; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Xanthium strumarium L. (rough cocklebur): native; uncommon; identified in a vegetation plot during 2003–2006.

Xanthium strumarium L. var. *glabratum* (DC.) Cronq. (rough cocklebur): native; uncommon; Vanderhorst 6789.

Balsaminaceae

Impatiens capensis Meerb. (jewelweed): native; uncommon; Vanderhorst 6992, 7071, Short 38; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Impatiens pallida Nutt. (pale touch-me-not): native; uncommon; Vanderhorst 7085; (Oxley 1975).

Berberidaceae

Berberis canadensis P. Mill. (American barberry): native; rare; WVNHP tracked, S1, G3; Streets 1275, 1648, Vanderhorst 6752; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Berberis vulgaris L. (common barberry): exotic; common; identified in a vegetation plot during 2003–2006.

Caulophyllum giganteum (Farw.) Loconte & Blackwell (giant blue cohosh): native; common; Streets 335.

Caulophyllum thalictroides (L.) Michx. (blue cohosh): native; common; Potential Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Podophyllum peltatum L. (mayapple): native; common; Streets 1651, Peeke S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Betulaceae

Alnus serrulata (Ait.) Willd. (hazel alder): native; uncommon; Streets 671, Vanderhorst 6938, 7070; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Betula alleghaniensis Britt. var. *alleghaniensis* (yellow birch): native; unknown abundance; (Oxley 1975).

Betula lenta L. (sweet birch): native; uncommon; Vanderhorst 6615; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Betula nigra L. (river birch): native; common; Streets 1645, Vanderhorst 6942; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Carpinus caroliniana Walt. ssp. *Virginiana* (Marsh.) Furlow (American hornbeam): native; common; Streets 456; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Corylus americana Walt. (American hazelnut): native; uncommon; Streets 1584, Vanderhorst 7048; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Ostrya virginiana (P. Mill.) K. Koch var. *virginiana* (hophornbeam): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Bignoniaceae

Campsis radicans (L.) Seem. ex Bureau (trumpet creeper): native; uncommon; Streets 1403.

Catalpa bignonioides Walt. (southern catalpa): introduced; invasive, watch list; uncommon; identified in a vegetation plot during 2003–2006.

Catalpa speciosa (Warder) Warder ex Engelm. (northern catalpa): introduced; uncommon; identified in a vegetation plot during 2003–2006.

Boraginaceae

Cynoglossum virginianum L. var. *virginianum* (wild comfrey): native; common; Streets 449; identified in a vegetation plot during 2003–2006.

Hackelia virginiana (L.) I. M. Johnston (beggarslice): native; common; Short 48, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Lithospermum latifolium Michx. (American stoneseed): native; uncommon; Streets 453, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Myosotis macrosperma Engelm. (largeseed forget-me-not): native; uncommon; WVNHP tracked, S2, G5; Streets 433, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Norris 1992).

Myosotis verna Nutt. (spring forget-me-not): native; uncommon; Streets 383; identified in a vegetation plot during 2003–2006.

Brassicaceae

Alliaria petiolata (Bieb.) Cavara & Grande (garlic mustard): exotic; invasive, severe threat; common; Streets 355; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Arabis laevigata (Muhl. ex Willd.) Poir. var. *laevigata* (smooth rockcress): native; uncommon; Streets 442, Peeke S.N.; (Oxley 1975).

Barbarea verna (P. Mill.) Aschers. (early yellowrocket): exotic; unknown abundance; Tosh 34S; (Oxley 1975).

Barbarea vulgaris Ait. f. (garden yellowrocket): exotic; common; Streets 367; Potential Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975) *Brassica napus* L. (rape): exotic; unknown abundance; (Oxley 1975).

Brassica nigra (L.) W. D. J. Koch (black mustard): exotic; common; Streets 652a, 1345, 1356; identified in a vegetation plot during 2003–2006.

Brassica rapa L. var. *rapa* (field mustard): exotic; invasive, watch list; unknown abundance; (Oxley 1975).

Cardamine angustata O. E. Schulz (slender toothwort): native; uncommon; Vanderhorst 6828; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Cardamine bulbosa (Schreb. ex Muhl.) B. S. P. (bulbous bittercress): native; uncommon; Streets 366; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Cardamine concatenata (Michx.) Sw. (cutleaf toothwort): native; common; Streets 318; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Cardamine diphylla (Michx.) Wood (crinkleroot): native; common; Streets 356; (Oxley 1975).

Cardamine flagellifera O. E. Schulz var. *flagellifera* (Blue Ridge bittercress): native; unknown abundance; WVNHP tracked, S2, G3; Grafton S.N.

Cardamine hirsuta L. (hairy bittercress): native; uncommon; Vanderhorst 6762; identified in a vegetation plot during 2003–2006.

Cardamine impatiens L. (narrowleaf bittercress): exotic; uncommon; Streets 429, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Cardamine parviflora L. var. *arenicola* (Britt.) O. E. Schulz (sand bittercress): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Cardamine pensylvanica Muhl. ex Willd. (Pennsylvania bittercress): native; uncommon; Streets 403; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Cardamine rotundifolia Michx. (American bittercress): native; uncommon; Streets 1290; Summers County record.

Draba ramosissima Desv. (branched draba): native; uncommon; Streets 584; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Erucastrum gallicum (Willd.) O. E. Schulz (common dogmustard): exotic; unknown abundance; (Oxley 1975).

Hesperis matronalis L. (dames rocket): exotic; invasive, severe threat; common; Streets 431, 1347; identified in a vegetation plot during 2003–2006; (Norris 1992).

Lepidium campestre (L.) Ait. f. (field pepperweed): exotic; invasive, significant threat; common; Streets 382.

Lepidium virginicum L. (Virginia pepperweed): native; unknown abundance; Boone S.N.

Raphanus raphanistrum L. (wild radish): exotic; invasive, significant threat; uncommon; Streets 1412.

Rorippa nasturtium-aquaticum (L.) Hayek (watercress): introduced; invasive, significant threat; unknown abundance; (Oxley 1975).

Rorippa sylvestris (L.) Bess. (creeping yellowcress): exotic; invasive, severe threat; uncommon; Streets 525, 639, 1344, Grafton S.N.; Mercer County record; identified in a vegetation plot during 2003–2006.

Calycanthaceae

Calycanthus floridus L. var. *glaucus* (Willd.) Torr. & Gray (eastern sweetshrub): native; unknown abundance; WVNHP tracked, SH, G5T5; Boone S.N.

Campanulaceae

Campanula divaricata Michx. (small bonny bellflower): native; uncommon; Streets 1399, Vanderhorst 6927; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Campanulastrum americanum (L.) Small (American bellflower): native; common; Streets 680; identified in a vegetation plot during 2003–2006.

Lobelia cardinalis L. (cardinalflower): native; uncommon; Vanderhorst 6966, 6986; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Lobelia inflata L. (Indian-tobacco): native; common; Streets 642, 651b, Vanderhorst 7059; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Lobelia siphilitica L. var. *siphilitica* (great blue lobelia): native; uncommon; Streets 1436, Vanderhorst 6782, Short 26; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Triodanis perfoliata (L.) Nieuwl. (clasping Venus' looking-glass): native; common; Streets 545.

Cannabaceae

Humulus japonicus Sieb. & Zucc. (Japanese hop): exotic; invasive, lesser threat; common; Streets 1430, 1652, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Caprifoliaceae

Lonicera canadensis Bartr. ex Marsh. (American fly honeysuckle): native; rare; WVNHP tracked, S2, G5; Vanderhorst 6817; (Oxley 1975).

Lonicera dioica L. (limber honeysuckle): native; unknown abundance; (Oxley 1975).

Lonicera japonica Thunb. (Japanese honeysuckle): exotic; invasive, severe threat; common; Streets 532; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Lonicera morrowii Gray (Morrow's honeysuckle): exotic; invasive, severe threat; common; Streets 405.

Sambucus nigra L. ssp. *canadensis* (L.) R. Bolli (common elderberry): native; common; Streets 551; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Sambucus racemosa L. var. *racemosa* (red elderberry): native; unknown abundance; Oxley 1342; (Oxley 1975).

Viburnum acerifolium L. (mapleleaf viburnum): native; abundant; Streets 1333a; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Viburnum dentatum L. var. *dentatum* (southern arrowwood): native; uncommon; Streets 1667, Vanderhorst 6925; Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Viburnum prunifolium L. (blackhaw): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Viburnum rafinesquianum J. A. Schultes (downy arrowwood): native; common; WVNHP tracked, S2, G5; Streets 572, 1282, Vanderhorst 6558, 7061, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Norris 1992).

Viburnum rufidulum Raf. (rusty blackhaw): native; uncommon; WVNHP tracked, S1, G5; Streets 386, 1630; WV State record.

Caryophyllaceae

Cerastium arvense L. ssp. *strictum* (L.) Ugborogho (field chickweed): native; unknown abundance; (Oxley 1975).

Cerastium glomeratum Thuill. (sticky chickweed): exotic; invasive, significant threat; common; Streets 1287; identified in a vegetation plot during 2003–2006.

Dianthus armeria L. (Deptford pink): exotic; invasive, watch list; uncommon; Streets 552; (Oxley 1975).

Myosoton aquaticum (L.) Moench (giantchickweed): exotic; invasive, significant threat; uncommon; Streets 594, 1297; identified in a vegetation plot during 2003–2006.

Paronychia canadensis (L.) Wood (smooth forked nailwort): native; uncommon; Streets 695, Vanderhorst 6756, Short 55; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Paronychia fastigiata (Raf.) Fern. var. *paleacea* Fern. (hairy forked nailwort): native; uncommon; Streets 570, 590; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Saponaria officinalis L. (bouncingbet): exotic; invasive, significant threat; common; Streets 683, Streets 1352; identified in a vegetation plot during 2003–2006.

Silene caroliniana Walt. ssp. *pensylvanica* (Michx.) Clausen (Pennsylvania catchfly): native; uncommon; Streets 379, Oxley 634; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Silene stellata (L.) Ait. f. (widowsfrill): native; common; Streets 698, Streets 1401, Short 1401; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Silene virginica L. (fire pink): native; unknown abundance; Oxley 634b; (Oxley 1975).

Silene vulgaris (Moench) Garcke (maidenstears): exotic; unknown abundance; Oxley 632; (Oxley 1975).

Stellaria graminea L. (grasslike starwort): exotic; invasive, significant threat; uncommon; Streets 424, 463.

Stellaria longifolia Muhl. ex Willd. var. *longifolia* (longleaf starwort): native; common; identified in a vegetation plot during 2003–2006.

Stellaria media (L.) Vill. ssp. *media* (common chickweed): exotic; invasive, severe threat; common; Streets 1633; identified in a vegetation plot during 2003–2006.

Stellaria media (L.) Vill. ssp. *pallida* (Dumort.) Aschers. & Graebn. (common chickweed): exotic; invasive, severe threat; common; Streets 337, 389; Summers County record; identified in a vegetation plot during 2003–2006.

Stellaria pubera Michx. (star chickweed): native; common; Streets 345b; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Celastraceae

Celastrus scandens L. (American bittersweet): native; unknown abundance; (Oxley 1975).

Euonymus americana L. (bursting-heart): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Euonymus atropurpurea Jacq. var. *atropurpurea* (eastern wahoo): native; rare; identified in a vegetation plot during 2003–2006.

Chenopodiaceae

Chenopodium ambrosioides L. var. *ambrosioides* (Mexican tea): exotic; invasive, lesser threat; common; Streets 1569; identified in a vegetation plot during 2003–2006.

Clusiaceae

Hypericum ellipticum Hook. (pale St. Johnswort): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Hypericum mutilum L. (dwarf St. Johnswort): native; uncommon; Streets 655; identified in a vegetation plot during 2003–2006.

Hypericum perforatum L. (common St. Johnswort): exotic; invasive, watch list; uncommon; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Hypericum prolificum L. (shrubby St. Johnswort): native; uncommon; Streets 729, Boone 269; identified in a vegetation plot during 2003–2006.

Hypericum punctatum Lam. (spotted St. Johnswort): native; uncommon; Streets 645a, 651a, 1386, 1574; identified in a vegetation plot during 2003–2006.

Commelinaceae

Commelina communis L. var. *communis* (Asiatic dayflower): exotic; uncommon; Streets 686, Short 18; identified in a vegetation plot during 2003–2006.

Tradescantia ohiensis Raf. (bluejacket): native; uncommon; Streets 530, 596, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Tradescantia virginiana L. (Virginia spiderwort): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Convolvulaceae

Ipomoea pandurata (L.) G. F. W. Mey. (man of the earth): native; uncommon; Streets 621, 678, 1359, Vanderhorst 6996; identified in a vegetation plot during 2003–2006.

Cornaceae

Cornus amomum P. Mill. (silky dogwood): native; common; Streets 1374, Short 61; identified in a vegetation plot during 2003–2006; (Norris 1992).

Cornus florida L. (flowering dogwood): native; common; Streets 353, 377; identified in a vegetation plot during 2003–2006; (Norris 1992, Rentch et al. 2005).

Cornus racemosa Lam. (gray dogwood): native; uncommon; identified in a vegetation plot during 2003–2006.

Nyssa sylvatica Marsh. (blackgum): native; common; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Crassulaceae

Sedum ternatum Michx. (woodland stonecrop): native; abundant; Streets 370, 394; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Cucurbitaceae

Sicyos angulatus L. (oneseed burr cucumber): native; uncommon; Streets 723, 1337, Vanderhorst 6943; identified in a vegetation plot during 2003–2006.

Cyperaceae

Carex aggregata Mackenzie (glomerate sedge): native; uncommon; WVNHP tracked, S2, G5; Vanderhorst 6566, 6572.

Carex albursina Sheldon (white bear sedge): native; uncommon; Streets 546; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex amphibola Steud. (eastern narrowleaf sedge): native; common; Streets 410a, 427, 762, 766, 1312b, Vanderhorst 6563, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Carex annectens (Bickn.) Bickn. (yellowfruit sedge): native; uncommon; Streets 411, 560, 644b; identified in a vegetation plot during 2003–2006.

Carex blanda Dewey (eastern woodland sedge): native; uncommon; Streets 410b, 479, 482, Vanderhorst 6562, 6611, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Carex bromoides Schkuhr ex Willd. ssp. *bromoides* (bromelike sedge): native; rare; Vanderhorst 6915; Summers County record.

Carex caroliniana Schwein. (Carolina sedge): native; uncommon; Streets 412, 541b, Vanderhorst 6914, 6921, 6941; identified in a vegetation plot during 2003–2006.

Carex cephalophora Muhl. ex Willd. (oval-leaf sedge): native; uncommon; Streets 491; identified in a vegetation plot during 2003–2006.

Carex communis Bailey var. *communis* (fibrousroot sedge): native; uncommon; Streets 375, 397, Vanderhorst 6824, 6829; Mercer County record, Summers County record; identified in a vegetation plot during 2003–2006.

Carex conjuncta Boott (soft fox sedge): native; unknown abundance; Grafton S.N.

Carex crinita Lam. var. *crinita* (fringed sedge): native; uncommon; Streets 430, 1340, Vanderhorst 6920; identified in a vegetation plot during 2003–2006.

Carex cumberlandensis Naczi, Kral & Bryson (Cumberland sedge): native; uncommon; WVNHP tracked, S2, GNR; Streets 756, 1312a, Vanderhorst 6610, 6902; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Carex digitalis Willd. var. *digitalis* (slender woodland sedge): native; common; Streets 500, 759, Vanderhorst 6604, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Carex emoryi Dewey (Emory's sedge): native; common; WVNHP tracked, S2, G5; Vanderhorst 6913; identified in a vegetation plot during 2003–2006; (Norris 1992).

Carex frankii Kunth (Frank's sedge): native; uncommon; Streets 567, 731, Vanderhorst 7044, 7047; identified in a vegetation plot during 2003–2006.

Carex gracilescens Steud. (slender looseflower sedge): native; uncommon; Vanderhorst 6567.

Carex gracillima Schwein. (graceful sedge): native; uncommon; Streets 738, 1293a, Vanderhorst 6571, 6577, 6922; identified in a vegetation plot during 2003–2006.

Carex granularis Muhl. ex Willd. (limestone meadow sedge): native; unknown abundance; Grafton S.N.

Carex hirsutella Mackenzie (fuzzy wuzzy sedge): native; uncommon; Streets 483, 517, 541a, 754, 1311, 1413, Vanderhorst 6606, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex hirtifolia Mackenzie (pubescent sedge): native; rare; WVNHP tracked, S2, G5; Vanderhorst 6575.

Carex hitchcockiana Dewey (Hitchcock's sedge): native; uncommon; Streets 742, 761, Vanderhorst 6564; identified in a vegetation plot during 2003–2006.

Carex jamesii Schwein. (James' sedge): native; uncommon; Streets 515, Vanderhorst 6567, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Carex laxiculmis Schwein. var. *laxiculmis* (spreading sedge): native; uncommon; Streets 1364; identified in a vegetation plot during 2003–2006.

Carex laxiflora Lam. (broad looseflower sedge): native; uncommon; Streets 395a, 481, 511, 539, 765; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex lupulina Muhl. ex Willd. (hop sedge): native; uncommon; Streets 1435, Vanderhorst 6939, 6976; Summers County record; identified in a vegetation plot during 2003–2006.

Carex lurida Wahlenb. (shallow sedge): native; common; Streets 1339, Vanderhorst 6569; identified in a vegetation plot during 2003–2006.

Carex molesta Mackenzie ex Bright (troublesome sedge): native; unknown abundance; WVNHP tracked, S3, G4; Phillips S.N.; (Norris 1992).

Carex normalis Mackenzie (greater straw sedge): native; uncommon; WVNHP tracked, S3, G5; Streets 466, Grafton S.N.; (Norris 1992).

Carex oligocarpa Schkuhr ex Willd. (richwoods sedge): native; uncommon; Streets 760; identified in a vegetation plot during 2003–2006.

Carex pennsylvanica Lam. (Pennsylvania sedge): native; common; Streets 473, 514, Vanderhorst 6832; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex plantaginea Lam. (plantainleaf sedge): native; uncommon; Vanderhorst 6831; Potential Summers County record; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex platyphylla Carey (broadleaf sedge): native; uncommon; Streets 395b, Vanderhorst 6830; identified in a vegetation plot during 2003–2006.

Carex prasina Wahlenb. (drooping sedge): native; uncommon; Streets 509; identified in a vegetation plot during 2003–2006.

Carex radiata (Wahlenb.) Small (eastern star sedge): native; uncommon; Streets 421, 490, 575, 763, 764, Vanderhorst 6559, 6565, 6609; identified in a vegetation plot during 2003–2006.

Carex rosea Schkuhr ex Willd. (rosy sedge): native; unknown abundance; Grafton S.N.

Carex sparganioides Muhl. ex Willd. (burr reed sedge): native; uncommon; Streets 571.

Carex squarrosa L. (squarrose sedge): native; uncommon; Vanderhorst 6917, 6937, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Carex stipata Muhl. ex Willd. var. *stipata* (owlfruit sedge): native; uncommon; Streets 418, 556, Vanderhorst 6916; identified in a vegetation plot during 2003–2006.

Carex swanii (Fern.) Mackenzie (Swan's sedge): native; common; Streets 498; identified in a vegetation plot during 2003–2006.

Carex tenera Dewey (quill sedge): native; rare; WVNHP tracked, S1, G5; Vanderhorst 6570; WV State record.

Carex torta Boott ex Tuckerman (twisted sedge): native; common; Vanderhorst 6573.

Carex tribuloides Wahlenb. var. *tribuloides* (blunt broom sedge): native; uncommon; Streets 561, Streets 1354; identified in a vegetation plot during 2003–2006.

Carex typhina Michx. (cattail sedge): native; rare; WVNHP tracked, S2, G5; Streets 413b.

Carex vulpinoidea Michx. (fox sedge): native; uncommon; identified in a vegetation plot during 2003–2006.

Carex willdenowii Schkuhr ex Willd. (Willdenow's sedge): native; uncommon; Streets 576, Vanderhorst 6607, 6612; identified in a vegetation plot during 2003–2006.

Carex woodii Dewey (pretty sedge): native; rare; WVNHP tracked, S2, G4; Vanderhorst 6854b; identified in a vegetation plot during 2003–2006; (Norris 1992, Rentch et al. 2005).

Cyperus strigosus L. (strawcolored flatsedge): native; common; Streets 711, 647b, Vanderhorst 6975, 6800, 7045; identified in a vegetation plot during 2003–2006.

Eleocharis palustris (L.) Roemer & J. A. Schultes (common spikerush): native; rare; WVNHP tracked, S3, G5; Norris S.N.

Eleocharis tenuis (Willd.) J. A. Schultes var. *tenuis* (slender spikerush): native; common; Vanderhorst 6919; Summers County record; identified in a vegetation plot during 2003–2006.

Scirpus cyperinus (L.) Kunth (woolgrass): native; common; Streets 1380, 1381, Vanderhorst 7089; identified in a vegetation plot during 2003–2006.

Scirpus pendulus Muhl. (rufous bulrush): native; unknown abundance; Grafton S.N.

Scirpus polyphyllus Vahl (leafy bulrush): native; common; Streets 562, Vanderhorst 7090; Mercer County record; identified in a vegetation plot during 2003–2006.

Diapensiaceae

Galax urceolata (Poir.) Brummitt (beetleweed): native; unknown abundance; Grafton S.N.; (Oxley 1975).

Dioscoreaceae

Dioscorea oppositifolia L. (Chinese yam): exotic; invasive, severe threat; unknown abundance; Grafton S.N.

Dioscorea quaternata J. F. Gmel. (fourleaf yam): native; abundant; Streets 1621; Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Dioscorea villosa L. (wild yam): native; unknown abundance; (Rentch et al. 2005).

Dipsacaceae

Dipsacus fullonum L. (Fuller's teasel): exotic; invasive, significant threat; uncommon; Streets 666, 714; identified in a vegetation plot during 2003–2006.

Ebenaceae

Diospyros virginiana L. (common persimmon): native; uncommon; identified in a vegetation plot during 2003–2006.

Elaeagnaceae

Elaeagnus umbellata Thunb. var. *parvifolia* (Royle) Schneid. (autumn olive): exotic; invasive, severe threat; common; Streets 380; Summers County record; identified in a vegetation plot during 2003–2006.

Ericaceae

Epigaea repens L. (trailing arbutus): native; uncommon; Oxley 1124; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Gaultheria procumbens L. (eastern teaberry): native; uncommon; Vanderhorst 7062; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Gaylussacia baccata (Wangenh.) K. Koch (black huckleberry): native; uncommon; Vanderhorst 6909; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Kalmia latifolia L. (mountain laurel): native; uncommon; Streets 488; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Oxydendrum arboreum (L.) DC. (sourwood): native; abundant; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Rhododendron arborescens (Pursh) Torr. (smooth azalea): native; uncommon; Streets 1583; identified in a vegetation plot during 2003–2006.

Rhododendron calendulaceum (Michx.) Torr. (flame azalea): native; uncommon; Streets 401; (Oxley 1975).

Rhododendron maximum L. (great laurel): native; common; Streets 597, 401; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Rhododendron periclymenoides (Michx.) Shinnery (pink azalea): native; unknown abundance; (Oxley 1975).

Rhododendron prinophyllum (Small) Millais (early azalea): native; unknown abundance; (Oxley 1975).

Vaccinium pallidum Ait. (Blue Ridge blueberry): native; common; Streets 1623, Oxley 1120; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Vaccinium stamineum L. (deerberry): native; common; Vanderhorst 6907; identified in a vegetation plot during 2003–2006; (Oxley 1975)

Euphorbiaceae

Acalypha gracilens Gray var. *gracilens* (slender threeseed mercury): native; uncommon; Streets 1577; Summers County record; identified in a vegetation plot during 2003–2006.

Acalypha rhomboidea Raf. (common threeseed mercury): native; uncommon; Streets 1404, Vanderhorst 6981, 6988, Short 14a; identified in a vegetation plot during 2003–2006.

Acalypha virginica L. (Virginia threeseed mercury): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Euphorbia corollata L. (flowering spurge): native; uncommon; Streets 620, 675, Vanderhorst 6991; identified in a vegetation plot during 2003–2006.

Fabaceae

Albizia julibrissin Durazz. (silktree): exotic; invasive, significant threat; common; identified in a vegetation plot during 2003–2006.

Amphicarpaea bracteata (L.) Fern. (American hogpeanut): native; abundant; Streets 694, 747; identified in a vegetation plot during 2003–2006.

Apios americana Medik. (groundnut): native; uncommon; Streets 649b, Short 34; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Astragalus canadensis L. var. *canadensis* (Canadian milkvetch): native; uncommon; Streets 1400.

Cercis canadensis L. var. *canadensis* (eastern redbud): native; abundant; Streets 362; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Coronilla varia L. (crownvetch): exotic; invasive, severe threat; common; Streets 531; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Desmodium canadense (L.) DC. (showy ticktrefoil): native; unknown abundance; (Oxley 1975).

Desmodium ciliare (Muhl. ex Willd.) DC. var. *ciliare* (hairy small-leaf ticktrefoil): native; uncommon; Vanderhorst 6767, 6791.

Desmodium cuspidatum (Muhl. ex Willd.) DC. ex Loud. var. *cuspidatum* (largebract ticktrefoil): native; uncommon; Streets 674.

Desmodium glabellum (Michx.) DC. (Dillenius' ticktrefoil): native; uncommon; Vanderhorst 6984a; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Desmodium glutinosum (Muhl. ex Willd.) Wood (pointedleaf ticktrefoil): native; uncommon; Streets 672, Short 27; Mercer County record; identified in a vegetation plot during 2003–2006.

Desmodium nudiflorum (L.) DC. (nakedflower ticktrefoil): native; common; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Desmodium obtusum (Muhl. ex Willd.) DC. (stiff ticktrefoil): native; uncommon; Streets 688; identified in a vegetation plot during 2003–2006.

Desmodium paniculatum (L.) DC. var. *paniculatum* (panicledleaf ticktrefoil): native; uncommon; Streets 702, Vanderhorst 6984b; identified in a vegetation plot during 2003–2006.

Desmodium rotundifolium DC. (prostrate ticktrefoil): native; uncommon; Streets 751, 1392; identified in a vegetation plot during 2003–2006.

Gleditsia triacanthos L. (honeylocust): native; uncommon; Streets 1661, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Lathyrus venosus Muhl. ex Willd. (veiny pea): native; uncommon; Streets 1576, 1655, Oxley 932; identified in a vegetation plot during 2003–2006.

Lespedeza cuneata (Dum.-Cours.) G. Don (sericea lespedeza): exotic; invasive, severe threat; common; Streets 1568; identified in a vegetation plot during 2003–2006.

Lespedeza frutescens (L.) Hornem. (shrubby lespedeza): native; common; Vanderhorst 6770, 6778, 6999, Short 47; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Lespedeza hirta (L.) Hornem. ssp. *hirta* (hairy lespedeza): native; uncommon; Short 64.

Lespedeza procumbens Michx. (trailing lespedeza): native; common; Streets 699, Vanderhorst 6773; identified in a vegetation plot during 2003–2006.

Lespedeza violacea (L.) Pers. (violet lespedeza): native; common; Streets 697, Vanderhorst 6978; identified in a vegetation plot during 2003–2006.

Medicago lupulina L. (black medick): exotic; invasive, significant threat; common; Streets 1361, Short 68; identified in a vegetation plot during 2003–2006.

Melilotus officinalis (L.) Lam. (yellow sweetclover): exotic; invasive, significant threat; common; Streets 529a, 646b; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Robinia pseudoacacia L. (black locust): native; abundant; Streets 444; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Senna hebecarpa (Fern.) Irwin & Barneby (American senna): native; uncommon; Streets 1342, 1407, Vanderhorst 7053; identified in a vegetation plot during 2003–2006.

Trifolium campestre Schreb. (field clover): exotic; invasive, significant threat; common; Streets 533b; (Oxley 1975).

Trifolium hybridum L. (alsike clover): exotic; invasive, significant threat; common; Streets 650a; identified in a vegetation plot during 2003–2006.

Trifolium pratense L. (red clover): exotic; invasive, lesser threat; common; Streets 593; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Trifolium reflexum L. (buffalo clover): native; rare; WVNHP tracked, S1, G3G4; Streets 540.

Trifolium repens L. (white clover): exotic; invasive, significant threat; common; Streets 440, Vanderhorst 6912; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Vicia caroliniana Walt. (Carolina vetch): native; common; Streets 374, 542, Oxley 931; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Fagaceae

Castanea dentata (Marsh.) Borkh. (American chestnut): native; uncommon; (Oxley 1975).

Fagus grandifolia Ehrh. (American beech): native; common; Vanderhorst 7079; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus alba L. (white oak): native; abundant; Streets 1292; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus coccinea Muenchh. var. *coccinea* (scarlet oak): native; common; Streets 1422; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus falcata Michx. (southern red oak): native; unknown abundance; Grafton S.N.

Quercus muehlenbergii Engelm. (chinkapin oak): native; common; Short 41; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Quercus palustris Muenchh. (pin oak): native; unknown abundance; (Oxley 1975).

Quercus prinus L. (chestnut oak): native; abundant; Streets 1656a; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus rubra L. (northern red oak): native; abundant; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus stellata Wangenh. (post oak): native; uncommon; Streets 1388; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Quercus velutina Lam. (black oak): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Fumariaceae

Dicentra canadensis (Goldie) Walp. (squirrel corn): native; unknown abundance; Oxley 682; (Oxley 1975).

Dicentra cucullaria (L.) Bernh. (dutchman's breeches): native; common; Streets 331; (Oxley 1975).

Gentianaceae

Gentianella quinquefolia (L.) Small ssp. *quinquefolia* (agueweed): native; unknown abundance; (Oxley 1975).

Geraniaceae

Geranium bicknellii Britt. (Bicknell's cranesbill): native; uncommon; Streets 469.

Geranium maculatum L. (spotted geranium): native; common; Streets 365, Vanderhorst 6822; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Grossulariaceae

Ribes cynosbati L. (eastern prickly gooseberry): native; uncommon; Streets 580, Vanderhorst 6819; (Oxley 1975).

Ribes lacustre (Pers.) Poir. (prickly currant): native; unknown abundance; WVNHP tracked, S2, G5; Grafton S.N.

Hamamelidaceae

Hamamelis virginiana L. (American witchhazel): native; abundant; Streets 406, 1368; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Hippocastanaceae

Aesculus flava Ait. (yellow buckeye): native; abundant; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Hydrangeaceae

Hydrangea arborescens L. (wild hydrangea): native; common; Streets 1324; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Hydrocharitaceae

Elodea canadensis Michx. (Canadian waterweed): native; unknown abundance; Grafton S.N.

Hydrophyllaceae

Hydrophyllum canadense L. (bluntleaf waterleaf): native; common; Vanderhorst 6934; identified in a vegetation plot during 2003–2006.

Hydrophyllum virginianum L. (eastern waterleaf): native; uncommon; Streets 1291, 1314; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Iridaceae

Iris pseudacorus L. (paleyellow iris): exotic; invasive, significant threat; uncommon; Streets 462; identified in a vegetation plot during 2003–2006.

Sisyrinchium angustifolium P. Mill. (narrowleaf blue-eyed grass): native; common; Streets 413a; identified in a vegetation plot during 2003–2006.

Juglandaceae

Carya alba (L.) Nutt. ex Ell. (mockernut hickory): native; common; Streets 503, 592, 1397, 1656b; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Carya cordiformis (Wangenh.) K. Koch (bitternut hickory): native; common; Vanderhorst 7091; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Carya glabra (P. Mill.) Sweet (pignut hickory): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Carya ovata (P. Mill.) K. Koch (shagbark hickory): native; common; Streets 1398b; Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Juglans cinerea L. (butternut): native; uncommon; WVNHP tracked, S3, G3G4; identified in a vegetation plot during 2003–2006; (Norris 1992).

Juglans nigra L. (black walnut): native; uncommon; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Juncaceae

Juncus dichotomus Ell. (forked rush): native; rare; WVNHP tracked, S1, G5; Streets 1585; Summers County record; identified in a vegetation plot during 2003–2006.

Juncus effusus L. (common rush): native; common; identified in a vegetation plot during 2003–2006.

Juncus effusus L. var. *solutus* Fern. & Wieg. (lamp rush): native; common; Streets 665; identified in a vegetation plot during 2003–2006.

Juncus tenuis Willd. (poverty rush): native; common; Streets 568; identified in a vegetation plot during 2003–2006.

Luzula acuminata Raf. var. *acuminata* (hairy woodrush): native; common; Vanderhorst 6904; Summers County record; identified in a vegetation plot during 2003–2006.

Luzula multiflora (Ehrh.) Lej. ssp. *multiflora* var. *multiflora* (common woodrush): native; common; Streets 484, Vanderhorst 6605; identified in a vegetation plot during 2003–2006.

Lamiaceae

- Blephilia ciliata* (L.) Benth. (downy pagoda-plant): native; uncommon; Streets 538.
- Clinopodium vulgare* L. (wild basil): native; common; (Oxley 1975).
- Collinsonia canadensis* L. (richweed): native; uncommon; Streets 640, Short 25; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Cunila organoides* (L.) Britt. (common dittany): native; uncommon; Vanderhorst 6774, Short 44; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).
- Glechoma hederacea* L. (ground ivy): exotic; invasive, severe threat; common; Streets 344; identified in a vegetation plot during 2003–2006.
- Lamium purpureum* L. var. *purpureum* (purple deadnettle): exotic; invasive, significant threat; common; Streets 387, 1631.
- Lycopus uniflorus* Michx. var. *uniflorus* (northern bugleweed): native; common; Potential Summers County record; identified in a vegetation plot during 2003–2006.
- Lycopus virginicus* L. (Virginia water horehound): native; common; Streets 749, Short 30; Mercer County record; identified in a vegetation plot during 2003–2006.
- Meehania cordata* (Nutt.) Britt. (Meehan's mint): native; common; Streets 494B, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Mentha arvensis* L. (wild mint): native; uncommon; Streets 645b, Short 29; Mercer County record; identified in a vegetation plot during 2003–2006.
- Monarda clinopodia* L. (white bergamot): native; uncommon; Streets 1318, Vanderhorst 6928; identified in a vegetation plot during 2003–2006.
- Monarda fistulosa* L. (wild bergamot): native; unknown abundance; (Oxley 1975, Norris 1992, Rentch et al. 2005).
- Monarda fistulosa* L. ssp. *brevis* (Fosberg & Artz) Scora, comb. nov. ined. (wild bergamot): native; common; WVNHP tracked, S1, G5T1; Streets 485, 587, 1372; identified in a vegetation plot during 2003–2006; (Norris 1992).
- Monarda fistulosa* L. ssp. *fistulosa* var. *mollis* (L.) Benth. (wild bergamot): native; rare; Streets 701, Vanderhorst 6935; Summers County record.
- Perilla frutescens* (L.) Britt. (beefsteakplant): exotic; invasive, severe threat; uncommon; Vanderhorst 6794, Streets 7086; Mercer County record.
- Physostegia virginiana* (L.) Benth. ssp. *virginiana* (obedient plant): native; uncommon; Streets 623, 1346, Grafton S.N.; identified in a vegetation plot during 2003–2006.
- Prunella vulgaris* L. (common selfheal): exotic; common; Streets 595; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Pycnanthemum incanum* (L.) Michx. var. *incanum* (hoary mountainmint): native; uncommon; identified in a vegetation plot during 2003–2006.
- Pycnanthemum pycnanthemoides* (Leavenworth) Fern. var. *pycnanthemoides* (southern mountainmint): native; uncommon; Streets 693.
- Pycnanthemum tenuifolium* Schrad. (narrowleaf mountainmint): native; uncommon; identified in a vegetation plot during 2003–2006.

- Salvia lyrata* L. (lyreleaf sage): native; common; Streets 432; identified in a vegetation plot during 2003–2006.
- Scutellaria elliptica* Muhl. Ex Spreng. var. *elliptica* (hairy skullcap): native; uncommon; Streets 516, 562, 1387b; identified in a vegetation plot during 2003–2006.
- Scutellaria elliptica* Muhl. ex Spreng. var. *hirsuta* (Short & Peter) Fern. (hairy skullcap): native; uncommon; Streets 1325; Summers County record.
- Scutellaria lateriflora* L. var. *lateriflora* (blue skullcap): native; uncommon; Streets 730; identified in a vegetation plot during 2003–2006.
- Scutellaria nervosa* Pursh (veiny skullcap): native; uncommon; Streets 439, 452; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Scutellaria ovata* Hill (heartleaf skullcap): native; uncommon; identified in a vegetation plot during 2003–2006; (Norris 1992).
- Scutellaria ovata* Hill ssp. *rugosa* (Wood) Epling (heartleaf skullcap): native; uncommon; Streets 494A, Streets 579; identified in a vegetation plot during 2003–2006.
- Scutellaria parvula* Michx. var. *missouriensis* (Torr.) Goodman & Lawson (Leonard's skullcap): native; unknown abundance; (Oxley 1975).
- Scutellaria saxatilis* Riddell (smooth rock skullcap): native; uncommon; WVNHP tracked, S2, G3; Streets 1387a, Vanderhorst 6616, Norris S.N.; identified in a vegetation plot during 2003–2006; (Norris 1992).
- Scutellaria serrata* Andr. (showy skullcap): native; unknown abundance; Oxley 1220t; (Oxley 1975).
- Stachys nuttallii* Shuttlw. ex Benth. (heartleaf hedgenettle): native; uncommon; WVNHP tracked, S3, G5?; Vanderhorst 6618, 7066; identified in a vegetation plot during 2003–2006.
- Stachys tenuifolia* Willd. (smooth hedgenettle): native; uncommon; WVNHP tracked, S3, G5; Streets 658, Streets 669; identified in a vegetation plot during 2003–2006.
- Teucrium canadense* L. var. *canadense* (Canada germander): native; uncommon; Vanderhorst 6931, 6936, 6982, Unkown collector S.N.; identified in a vegetation plot during 2003–2006.

Lauraceae

- Lindera benzoin* (L.) Blume var. *pubescens* (Palmer & Steyermark) Rehd. (northern spicebush): native; common; Vanderhorst 6930, 7063; identified in a vegetation plot during 2003–2006.
- Sassafras albidum* (Nutt.) Nees (sassafras): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Lemnaceae

- Lemna valdiviana* Phil. (valdivia duckweed): native; rare; WVNHP tracked, S3, G5; Vanderhorst 7152.

Liliaceae

- Allium canadense* L. var. *canadense* (meadow garlic): native; uncommon; Streets 416b, 521, 555; identified in a vegetation plot during 2003–2006.

Allium cernuum Roth var. *cernuum* (nodding onion): native; uncommon; (Oxley 1975, Norris 1992).

Allium oxyphilum Wherry (Lillydale onion): native; rare; WVNHP tracked, S2, G2Q; Streets 1415, 1423, Short 58a; identified in a vegetation plot during 2003–2006; (Norris 1992).

Allium vineale L. ssp. *vineale* (wild garlic): exotic; invasive, significant threat; common; identified in a vegetation plot during 2003–2006.

Clintonia umbellulata (Michx.) Morong (white clintonia): native; uncommon; Streets 1570; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Convallaria majalis L. (European lily of the valley): exotic; unknown abundance; Oxley 443; (Oxley 1975).

Convallaria majuscula Greene (American lily-of-the-valley): native; unknown abundance; (Norris 1992).

Erythronium americanum Ker-Gawl. ssp. *americanum* (dogtooth violet): native; unknown abundance; Oxley 436; (Oxley 1975).

Erythronium umbilicatum Parks & Hardin ssp. *umbilicatum* (dimpled troutlily): native; uncommon; Streets 319.

Hypoxis hirsuta (L.) Coville (common goldstar): native; uncommon; Streets 371; identified in a vegetation plot during 2003–2006.

Maianthemum canadense Desf. (Canada mayflower): native; common; Oxley 440; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Maianthemum racemosum (L.) Link ssp. *racemosum* (feathery false lily of the valley): native; common; Streets 1657, 1663; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Medeola virginiana L. (Indian cucumber): native; common; identified in a vegetation plot during 2003–2006.

Narcissus pseudonarcissus L. (daffodil): introduced; uncommon; Streets 361a.

Polygonatum biflorum (Walt.) Ell. (smooth Solomon's seal): native; common; Streets 465; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Polygonatum pubescens (Willd.) Pursh (hairy Solomon's seal): native; common; Streets 372, 1619; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Prosartes lanuginosa (Michx.) D. Don (yellow fairybells): native; common; Streets 1638, 1643, Vanderhorst 6926, 7054; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Trillium erectum L. (red trillium): native; common; Streets 350; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Trillium grandiflorum (Michx.) Salisb. (white trillium): native; common; Streets 376; (Oxley 1975).

Trillium sessile L. (toadshade): native; uncommon; Streets 332.

Trillium undulatum Willd. (painted trillium): native; uncommon; identified in a vegetation plot during 2003–2006.

Uvularia grandiflora Sm. (largeflower bellwort): native; common; Streets 368, 1637.

Uvularia perfoliata L. (perfoliate bellwort): native; common; Streets 1625, Peeke S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Uvularia sessilifolia L. (sessileleaf bellwort): native; uncommon; Vanderhorst 7006; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Linaceae

Linum striatum Walt. (ridged yellow flax): native; uncommon; Streets 1375.

Lythraceae

Cuphea viscosissima Jacq. (blue waxweed): native; common; Streets 677.

Lythrum salicaria L. (purple loosestrife): exotic; invasive, severe threat; uncommon; Streets 710, 1405, Vanderhorst 6967, Short 39; identified in a vegetation plot during 2003–2006.

Magnoliaceae

Liriodendron tulipifera L. (tuliptree): native; abundant; Streets 459; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Magnolia acuminata (L.) L. (cucumber-tree): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Magnolia tripetala (L.) L. (umbrella-tree): native; unknown abundance; Boone S.N.

Menispermaceae

Menispermum canadense L. (common moonseed): native; uncommon; identified in a vegetation plot during 2003–2006.

Molluginaceae

Mollugo verticillata L. (green carpetweed): adventive; uncommon; Streets 1410.

Monotropaceae

Monotropa hypopithys L. (pinesap): native; uncommon; Streets 505; identified in a vegetation plot during 2003–2006.

Monotropa uniflora L. (Indianpipe): native; common; Streets 507, 605; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Moraceae

Morus rubra L. var. *rubra* (red mulberry): native; common; Oxley 354; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Nymphaeaceae

Nuphar lutea (L.) Sm. ssp. *advena* (Ait.) Kartesz & Gandhi (yellow pond-lily): native; uncommon; Streets 1653.

Oleaceae

Chionanthus virginicus L. (white fringetree): native; uncommon; Streets 1280; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Fraxinus americana L. (white ash): native; abundant; Streets 486, Boone 248; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Fraxinus pennsylvanica Marsh. (green ash): native; common; Streets 1665; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Ligustrum vulgare L. (European privet): exotic; invasive, significant threat; uncommon; Streets 1296; identified in a vegetation plot during 2003–2006.

Onagraceae

Circaea lutetiana L. ssp. *canadensis* (L.) Aschers. & Magnus (broadleaf enchanter's nightshade): native; common; Streets 1327; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Epilobium coloratum Biehler (purpleleaf willowherb): native; uncommon; Vanderhorst 7087.

Oenothera fruticosa L. ssp. *fruticosa* (narrowleaf evening-primrose): native; uncommon; Streets 534, Grafton S.N.

Oenothera parviflora L. (northern evening-primrose): native; uncommon; Streets 652b; identified in a vegetation plot during 2003–2006.

Orchidaceae

Aplectrum hyemale (Muhl. ex Willd.) Torr. (Adam and Eve): native; unknown abundance; (Oxley 1975).

Cypripedium acaule Ait. (moccasin flower): native; uncommon; Vanderhorst 6910; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Cypripedium parviflorum Salisb. (lesser yellow lady's slipper): native; unknown abundance; (Oxley 1975).

Cypripedium parviflorum Salisb. var. *pubescens* (Willd.) Knight (greater yellow lady's slipper): native; unknown abundance; Grafton S.N.

Galearis spectabilis (L.) Raf. (showy orchid): native; rare; Streets 1666; (Rentch et al. 2005).

Goodyera pubescens (Willd.) R. Br. ex Ait. f. (downy rattlesnake plantain): native; uncommon; Streets 618, 684, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Goodyera repens (L.) R. Br. ex Ait. f. (lesser rattlesnake plantain): native; unknown abundance; WVNHP tracked, S1S2, G5; (Oxley 1975).

Isotria verticillata Raf. (large whorled pogonia): native; unknown abundance; Grafton S.N.

Liparis liliifolia (L.) L. C. Rich. ex Ker-Gawl. (brown widelip orchid): native; rare; Vanderhorst 6906; identified in a vegetation plot during 2003–2006.

Platanthera lacera (Michx.) G. Don (green fringed orchid): native; uncommon; Streets 606.

Platanthera orbiculata (Pursh) Lindl. (lesser roundleaved orchid): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Spiranthes cernua (L.) L. C. Rich. (nodding lady's tresses): native; unknown abundance; (Oxley 1975).

Spiranthes lacera (Raf.) Raf. (northern slender lady's tresses): native; unknown abundance; Oxley 478; (Oxley 1975).

Tipularia discolor (Pursh) Nutt. (crippled crane-fly): native; uncommon; Streets 1414.

Orobanchaceae

Conopholis americana (L.) Wallr. f. (American cancer-root): native; common; Oxley 1302; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Epifagus virginiana (L.) W. Bart. (beechnuts): native; uncommon; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Orobanche uniflora L. (oneflowered broomrape): native; uncommon; Grafton S.N.; (Oxley 1975).

Oxalidaceae

Oxalis corniculata L. (creeping woodsorrel): exotic; uncommon; Streets 746; identified in a vegetation plot during 2003–2006.

Oxalis dillenii Jacq. (slender yellow woodsorrel): native; uncommon; Streets 414, 467; identified in a vegetation plot during 2003–2006.

Oxalis grandis Small (great yellow woodsorrel): native; common; Streets 445a; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Norris 1992, Rentch et al. 2005).

Oxalis montana Raf. (mountain woodsorrel): native; unknown abundance; (Oxley 1975)

Oxalis stricta L. (common yellow oxalis): native; common; Streets 728, Short 16; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Oxalis violacea L. (violet woodsorrel): native; uncommon; Streets 392, 422, Peeke S.N.; identified in a vegetation plot during 2003–2006.

Papaveraceae

Sanguinaria canadensis L. (bloodroot): native; common; Streets 321; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Passifloraceae

Passiflora lutea L. (yellow passionflower): native; uncommon; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Phytolaccaceae

Phytolacca americana L. var. *americana* (American pokeweed): native; common; Oxley 607; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Plantaginaceae

Plantago lanceolata L. (narrowleaf plantain): exotic; common; (Oxley 1975).

Plantago rugelii Dcne. var. *rugelii* (blackseed plantain): native; common; Streets 634, 664; identified in a vegetation plot during 2003–2006.

Plantago virginica L. (Virginia plantain): native; uncommon; Streets 1279.

Platanaceae

Platanus occidentalis L. (American sycamore): native; common; Streets 1604; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Poaceae

Agrostis capillaris L. (colonial bentgrass): exotic; invasive, significant threat; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Agrostis gigantea Roth (redtop): native; common; Streets 662, 667; identified in a vegetation plot during 2003–2006.

Agrostis perennans (Walt.) Tuckerman (upland bentgrass): native; common; Streets 692, 717; identified in a vegetation plot during 2003–2006.

Andropogon gerardii Vitman (big bluestem): native; common; Streets 647a; identified in a vegetation plot during 2003–2006.

Anthoxanthum odoratum L. ssp. *odoratum* (sweet vernalgrass): exotic; common; identified in a vegetation plot during 2003–2006.

Brachyelytrum erectum (Schreb. ex Spreng.) Beauv. (bearded shorthusk): native; uncommon; Streets 743, 1322, 1365; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Bromus commutatus Schrad. (bald brome): exotic; invasive, severe threat; common; Streets 565.

Bromus kalmii Gray (arctic brome): native; uncommon; Streets 577, Grafton S.N.

Bromus pubescens Muhl. ex Willd. (hairy woodland brome): native; common; Streets 513, 522, 589, 646a 718, 1332, 1418, Short 57.

Chasmanthium latifolium (Michx.) Yates (Indian woodoats): native; uncommon; Streets 624, 637; identified in a vegetation plot during 2003–2006.

Cinna arundinacea L. (sweet woodreed): native; common; Streets 636, 740, Vanderhorst 6796, 6940, 7000, Short 33; identified in a vegetation plot during 2003–2006.

Dactylis glomerata L. ssp. *glomerata* (orchardgrass): exotic; invasive, significant threat; common; Streets 415; identified in a vegetation plot during 2003–2006.

Danthonia compressa Austin ex Peck (flattened oatgrass): native; uncommon; Streets 1323; Summers County record; (Rentch et al. 2005).

Danthonia spicata (L.) Beauv. ex Roemer & J. A. Schultes (poverty oatgrass): native; uncommon; Streets 478; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Diarrhena americana Beauv. (American beakgrain): native; uncommon; Vanderhorst 7001, 7095, Grafton S.N.

Dichantherium boscii (Poir.) Gould & C. A. Clark (Bosc's panicgrass): native; common; Streets 448, 476; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Dichantherium clandestinum (L.) Gould (deertongue): native; common; Streets 566, 633; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Dichantherium commutatum (J. A. Schultes) Gould ssp. *ashei* (T.G. Pearson ex Ashei) Freckmann & Lelong (variable panicgrass): native; uncommon; Streets 502, 508, 1385, 1393; identified in a vegetation plot during 2003–2006.

Dichantherium commutatum (J. A. Schultes) Gould ssp. *commutatum* (variable panicgrass): native; common; Streets 574, 591, 745; identified in a vegetation plot during 2003–2006.

Dichantherium depauperatum (Muhl.) Gould (starved panicgrass): native; uncommon; Streets 474, 501, 586, 752, 1389; Mercer County record; identified in a vegetation plot during 2003–2006.

Dichanthelium dichotomum (L.) Gould (cypress panicgrass): native; unknown abundance; (Rentch et al. 2005).

Dichanthelium dichotomum (L.) Gould ssp. *dichotomum* (cypress panicgrass): native; common; Streets 544, 685, 727, Vanderhorst 6771; identified in a vegetation plot during 2003–2006.

Dichanthelium dichotomum (L.) Gould ssp. *microcarpon* (Muhl. ex Elliott) Freckmann & Lelong (cypress panicgrass): native; uncommon; identified in a vegetation plot during 2003–2006.

Dichanthelium dichotomum (L.) Gould ssp. *yadkinense* (Ashe) Freckmann & Lelong (cypress panicgrass): native; uncommon; Streets 495, 753, Vanderhorst 7084; identified in a vegetation plot during 2003–2006.

Echinochloa crus-galli (L.) Beauv. (barnyardgrass): native; common; Streets 661, Vanderhorst 7043; identified in a vegetation plot during 2003–2006.

Elymus canadensis L. (Canada wildrye): native; uncommon; Streets 632; Mercer County record; identified in a vegetation plot during 2003–2006.

Elymus hystrix L. var. *hystrix* (eastern bottlebrush grass): native; common; Streets 607; identified in a vegetation plot during 2003–2006.

Elymus riparius Wieg. (riverbank wildrye): native; common; Streets 721, Vanderhorst 6798, 6970, 6979b, 6979c, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Elymus virginicus L. var. *virginicus* (Virginia wildrye): native; uncommon; Vanderhorst 6979A; identified in a vegetation plot during 2003–2006.

Eragrostis hypnoides (Lam.) B. S. P. (teal lovegrass): native; uncommon; Vanderhorst 6968; identified in a vegetation plot during 2003–2006.

Festuca subverticillata (Pers.) Alexeev (nodding fescue): native; common; Streets 428, 1286, Grafton S.N.; identified in a vegetation plot during 2003–2006.

Glyceria striata (Lam.) A. S. Hitchc. (fowl mannagrass): native; common; Streets 510, Vanderhorst 6923; identified in a vegetation plot during 2003–2006.

Holcus lanatus L. (common velvetgrass): exotic; invasive, severe threat; common; Streets 537; identified in a vegetation plot during 2003–2006.

Leersia virginica Willd. (whitegrass): native; uncommon; Streets 648b, 707, 1429; identified in a vegetation plot during 2003–2006.

Lolium arundinaceum (Schreb.) S. J. Darbyshire (tall fescue): exotic; invasive, severe threat; common; Streets 416a, 558; identified in a vegetation plot during 2003–2006.

Lolium pratense (Huds.) S. J. Darbyshire (meadow fescue): exotic; invasive, significant threat; common; identified in a vegetation plot during 2003–2006.

Muhlenbergia sylvatica Torr. ex Gray (woodland muhly): native; uncommon; Short 15, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Muhlenbergia tenuiflora (Willd.) B. S. P. (slimflower muhly): native; uncommon; Vanderhorst 6776, Grafton S.N..

Panicum anceps L. ssp. *anceps* (beaked panicgrass): native; uncommon; Streets 670, Vanderhorst 7004; identified in a vegetation plot during 2003–2006.

Panicum virgatum L. (switchgrass): native; uncommon; Vanderhorst 6997; identified in a vegetation plot during 2003–2006.

Paspalum laeve Michx. (field paspalum): native; uncommon; Streets 716.

Pennisetum glaucum (L.) R. Br. (pearl millet): exotic; uncommon; identified in a vegetation plot during 2003–2006.

Phalaris arundinacea L. (reed canarygrass): native; invasive, severe threat; common; Streets 557, Vanderhorst 657; identified in a vegetation plot during 2003–2006.

Phleum pratense L. (timothy): exotic; invasive, significant threat; common; Streets 564; identified in a vegetation plot during 2003–2006.

Poa alsodes Gray (grove bluegrass): native; common; Streets 529b, 548, 1285, Vanderhorst 6924; identified in a vegetation plot during 2003–2006.

Poa cuspidata Nutt. (early bluegrass): native; uncommon; Streets 393; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Poa pratensis L. ssp. *pratensis* (Kentucky bluegrass): exotic; invasive, severe threat; common; Streets 408, 581; identified in a vegetation plot during 2003–2006.

Poa sylvestris Gray (woodland bluegrass): native; uncommon; Streets 1595, Vanderhorst 6568; identified in a vegetation plot during 2003–2006.

Poa trivialis L. (rough bluegrass): exotic; invasive, severe threat; common; Streets 563, Vanderhorst 6574; identified in a vegetation plot during 2003–2006.

Schizachyrium scoparium (Michx.) Nash var. *scoparium* (little bluestem): native; uncommon; Short 43; identified in a vegetation plot during 2003–2006.

Sphenopholis nitida (Biehler) Scribn. (shiny wedgescale): native; uncommon; Streets 434, 477, 480, 519, 543, Vanderhorst 6561; identified in a vegetation plot during 2003–2006.

Tridens flavus (L.) A. S. Hitchc. var. *flavus* (purpletop tridens): native; common; Vanderhorst 6792, Short 69.

Polemoniaceae

Phlox divaricata L. (wild blue phlox): native; common; Streets 378.

Phlox maculata L. ssp. *pyramidalis* (Sm.) Wherry (wild sweetwilliam): native; uncommon; Streets 635; identified in a vegetation plot during 2003–2006.

Phlox paniculata L. (fall phlox): native; uncommon; Vanderhorst 7005, Oxley 1191; (Oxley 1975).

Phlox stolonifera Sims (creeping phlox): native; common; Streets 1654, Oxley 1190; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Phlox subulata L. (moss phlox): native; uncommon; Oxley 1189m; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Polygalaceae

Polygala paucifolia Willd. (gaywings): native; uncommon; Streets 1635, Oxley 955; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Polygala senega L. (Seneca snakeroot): native; unknown abundance; Oxley 955; (Oxley 1975).

Polygala verticillata L. (whorled milkwort): native; uncommon; Vanderhorst 6769.

Polygonaceae

- Polygonum caespitosum* Blume var. *longisetum* (de Bruyn) A. N. Steward (Oriental ladysthumb): exotic; invasive, severe threat; common; Streets 648a, 687, 725, 735, Vanderhorst 6753, 6989; identified in a vegetation plot during 2003–2006.
- Polygonum convolvulus* L. var. *convolvulus* (black bindweed): exotic; invasive, significant threat; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.
- Polygonum cuspidatum* Sieb. & Zucc. (Japanese knotweed): exotic; invasive, severe threat; uncommon; identified in a vegetation plot during 2003–2006.
- Polygonum hydropiperoides* Michx. (swamp smartweed): native; uncommon; Streets 1363, Vanderhorst 6990; identified in a vegetation plot during 2003–2006.
- Polygonum pensylvanicum* L. (Pennsylvania smartweed): native; uncommon; Streets 734, Vanderhorst 6993; identified in a vegetation plot during 2003–2006.
- Polygonum persicaria* L. (spotted ladysthumb): exotic; invasive, significant threat; unknown abundance; (Oxley 1975).
- Polygonum punctatum* Ell. (dotted smartweed): native; uncommon; identified in a vegetation plot during 2003–2006.
- Polygonum punctatum* Ell. var. *punctatum* (dotted smartweed): native; uncommon; Streets 705, 722; identified in a vegetation plot during 2003–2006.
- Polygonum sagittatum* L. (arrowleaf tearthumb): native; uncommon; Vanderhorst 6797; Potential Summers County record; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Polygonum scandens* L. (climbing false buckwheat): unknown origin; uncommon; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Polygonum scandens* L. var. *cristatum* (Engelm. & Gray) Gleason (climbing false buckwheat): native; uncommon; Vanderhorst 6754, 7050, 7093, Short 56; Mercer County record; identified in a vegetation plot during 2003–2006.
- Polygonum virginianum* L. (jumpseed): native; common; Streets 679, Vanderhorst 6799; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rumex acetosella* L. (common sheep sorrel): exotic; invasive, severe threat; common; Oxley 571; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rumex crispus* L. ssp. *crispus* (curly dock): exotic; invasive, significant threat; common; Streets 520, 1336; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rumex obtusifolius* L. (bitter dock): exotic; invasive, watch list; uncommon; Streets 1335; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Portulacaceae

- Claytonia caroliniana* Michx. (Carolina springbeauty): native; common; Streets 348; (Oxley 1975).
- Claytonia virginica* L. (Virginia springbeauty): native; common; Streets 333, 391; identified in a vegetation plot during 2003–2006.

Primulaceae

- Dodecatheon meadia* L. ssp. *meadia* (pride of Ohio): native; uncommon; Streets 398; identified in a vegetation plot during 2003–2006.
- Lysimachia ciliata* L. (fringed loosestrife): native; common; Streets 750, 1378, Peeke S.N.; identified in a vegetation plot during 2003–2006.
- Lysimachia japonica* Thunb. (Japanese yellow loosestrife): exotic; common; Streets 528; identified in a vegetation plot during 2003–2006.
- Lysimachia nummularia* L. (creeping jenny): exotic; invasive, severe threat; common; Streets 535; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.
- Lysimachia quadrifolia* L. (whorled yellow loosestrife): native; common; identified in a vegetation plot during 2003–2006.
- Lysimachia tonsa* (Wood) Wood ex Pax & R. Knuth (southern yellow loosestrife): native; unknown abundance; WVNHP tracked, SH, G4; (Oxley 1975).

Pyrolaceae

- Chimaphila maculata* (L.) Pursh (striped prince's pine): native; uncommon; Streets 506, 582, 1333b; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).
- Chimaphila umbellata* (L.) W. Bart. ssp. *cisatlantica* (Blake) Hultén (pipsissewa): native; unknown abundance; (Oxley 1975).

Ranunculaceae

- Actaea pachypoda* Ell. (white baneberry): native; rare; (Oxley 1975).
- Actaea racemosa* L. var. *racemosa* (black bugbane): native; uncommon; Streets 690, 1321; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).
- Anemone canadensis* L. (Canadian anemone): native; unknown abundance; WVNHP tracked, S1, G5; (Norris 1992).
- Anemone lancifolia* Pursh (mountain thimbleweed): native; uncommon; Streets 1649; Summers County record.
- Anemone quinquefolia* L. var. *minima* (DC.) Frodin (nightcaps): native; rare; WVNHP tracked, S2, G5T3; Streets 1659; Summers County record.
- Anemone quinquefolia* L. var. *quinquefolia* (nightcaps): native; uncommon; identified in a vegetation plot during 2003–2006.
- Anemone virginiana* L. var. *virginiana* (tall thimbleweed): native; common; Short 59.
- Aquilegia canadensis* L. (red columbine): native; common; Streets 487, 1276; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Clematis virginiana* L. (devil's darning needles): native; common; Streets 732, Short 65; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Hepatica nobilis* Schreb. var. *acuta* (Pursh) Steyermark (sharplobe hepatica): native; uncommon; Streets 320; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

- Hepatica nobilis* Schreb. var. *obtusa* (Pursh) Steyermark (roundlobe hepatica): native; uncommon; Streets 1433, 1627; identified in a vegetation plot during 2003–2006.
- Hydrastis canadensis* L. (goldenseal): native; uncommon; Streets 1614, Short 62; (Oxley 1975).
- Ranunculus abortivus* L. (littleleaf buttercup): native; common; Streets 423; identified in a vegetation plot during 2003–2006.
- Ranunculus allegheniensis* Britt. (Allegheny Mountain buttercup): native; unknown abundance; (Oxley 1975).
- Ranunculus fascicularis* Muhl. ex Bigelow (early buttercup): native; rare; Vanderhorst 6903; Summers County record; identified in a vegetation plot during 2003–2006.
- Ranunculus hispidus* Michx. var. *hispidus* (bristly buttercup): native; uncommon; Streets 399.
- Ranunculus hispidus* Michx. var. *nitidus* (Chapman) T. Duncan (bristly buttercup): native; uncommon; Streets 420; identified in a vegetation plot during 2003–2006.
- Ranunculus recurvatus* Poir. var. *recurvatus* (blisterwort): native; common; Streets 419, 455, 1277, Oxley 652; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).
- Thalictrum dioicum* L. (early meadow-rue): native; common; Streets 340, 1658, Tosh S.N.; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).
- Thalictrum pubescens* Pursh (king of the meadow): native; uncommon; Streets 1350; (Oxley 1975).
- Thalictrum thalictroides* (L.) Eames & Boivin (rue anemone): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Trautvetteria caroliniensis* (Walt.) Vail var. *caroliniensis* (Carolina bugbane): native; uncommon; identified in a vegetation plot during 2003–2006.

Rhamnaceae

- Ceanothus americanus* L. (New Jersey tea): native; uncommon; Streets 1578; identified in a vegetation plot during 2003–2006.

Rosaceae

- Agrimonia microcarpa* Wallr. (smallfruit agrimony): native; rare; WVNHP tracked, S1, G5; (Norris 1992).
- Agrimonia parviflora* Ait. (harvestlice): native; uncommon; Streets 748, Vanderhorst 6977; identified in a vegetation plot during 2003–2006.
- Agrimonia pubescens* Wallr. (soft agrimony): native; common; Streets 641, 704, 1371, 1383; identified in a vegetation plot during 2003–2006.
- Agrimonia rostellata* Wallr. (beaked agrimony): native; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.
- Agrimonia striata* Michx. (roadside agrimony): native; uncommon; identified in a vegetation plot during 2003–2006.
- Amelanchier arborea* (Michx. f.) Fern. var. *arborea* (common serviceberry): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Amelanchier laevis Wieg. (Allegheny serviceberry): native; unknown abundance; (Oxley 1975).

Aruncus dioicus (Walt.) Fern. (bride's feathers): native; unknown abundance; (Oxley 1975)

Chaenomeles japonica (Thunb.) Lindl. ex Spach (Maule's quince): exotic; uncommon; Streets 346.

Crataegus crus-galli L. (cockspur hawthorn): native; uncommon; Streets 1596; identified in a vegetation plot during 2003–2006.

Crataegus intricata Lange (Copenhagen hawthorn): native; unknown abundance; Oxley 772; (Oxley 1975).

Fragaria virginiana Duchesne ssp. *virginiana* (Virginia strawberry): native; unknown abundance; Oxley 802; (Oxley 1975).

Geum canadense Jacq. var. *canadense* (white avens): native; common; Streets 625, 739; identified in a vegetation plot during 2003–2006.

Geum vernum (Raf.) Torr. & Gray (spring avens): native; common; Streets 425, 1278, Vanderhorst 6918; identified in a vegetation plot during 2003–2006.

Malus coronaria (L.) P. Mill. var. *coronaria* (sweet crabapple): native; common; Grafton S.N.; identified in a vegetation plot during 2003–2006.

Physocarpus opulifolius (L.) Maxim. var. *opulifolius* (common ninebark): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Porteranthus trifoliatus (L.) Britt. (Bowman's root): native; unknown abundance; Oxley 757; (Oxley 1975).

Potentilla canadensis L. var. *canadensis* (dwarf cinquefoil): native; common; Streets 400, Vanderhorst 6821; identified in a vegetation plot during 2003–2006.

Potentilla simplex Michx. (common cinquefoil): native; common; Streets 426; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Prunus alleghaniensis Porter var. *alleghaniensis* (Allegheny plum): native; unknown abundance; WVNHP tracked, S3, G4T4; Grafton S.N.; (Norris 1992).

Prunus americana Marsh. (American plum): native; uncommon; Streets 737, 1634; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Prunus persica (L.) Batsch (peach): exotic; uncommon; (Oxley 1975).

Prunus serotina Ehrh. var. *serotina* (black cherry): native; abundant; Streets 1641; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992, Rentch et al. 2005).

Pyrus pyrifolia (Burm. f.) Nakai (Chinese pear): exotic; uncommon; Vanderhorst 6908, 7153; Summers County record; identified in a vegetation plot during 2003–2006.

Rosa carolina L. var. *carolina* (Carolina rose): native; common; Streets 1396; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Rosa multiflora Thunb. ex Murr. (multiflora rose): exotic; invasive, severe threat; abundant; Streets 458; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Rosa palustris Marsh. (swamp rose): native; uncommon; Streets 523.

- Rubus allegheniensis* Porter (Allegheny blackberry): native; unknown abundance; (Oxley 1975).
- Rubus flagellaris* Willd. (northern dewberry): native; uncommon; Streets 1283; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rubus occidentalis* L. (black raspberry): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rubus odoratus* L. var. *odoratus* (purpleflowering raspberry): native; common; Streets 1326, 1427, Short 37, Oxley 820; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Rubus pensilvanicus* Poir. (Pennsylvania blackberry): native; uncommon; Streets 464; Summers County record.
- Rubus phoenicolasius* Maxim. (wine raspberry): exotic; invasive, severe threat; common; Streets 1639; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Spiraea japonica* L. f. var. *fortunei* (Planch.) Rehd. (fortune meadowsweet): exotic; invasive, severe threat; unknown abundance; (Norris 1992).
- Spiraea virginiana* Britt. (Virginia meadowsweet): native; rare; WVNHP tracked, S1, G2, LT; Streets 1434, Wiebolt S.N.; identified in a vegetation plot during 2003–2006; (Norris 1992).
- Waldsteinia fragarioides* (Michx.) Tratt. ssp. *fragarioides* (Appalachian barren strawberry): native; unknown abundance; (Oxley 1975).

Rubiaceae

- Cephalanthus occidentalis* L. (common buttonbush): native; common; Streets 653b, 1360; identified in a vegetation plot during 2003–2006; (Norris 1992).
- Galium aparine* L. (stickywilly): native; uncommon; Streets 471; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).
- Galium asprellum* Michx. (rough bedstraw): native; uncommon; identified in a vegetation plot during 2003–2006.
- Galium circaezans* Michx. (licorice bedstraw): native; common; (Rentch et al. 2005).
- Galium circaezans* Michx. var. *circaezans* (licorice bedstraw): native; common; Streets 512, 1331, 1580; identified in a vegetation plot during 2003–2006.
- Galium circaezans* Michx. var. *hypomalacum* Fern. (licorice bedstraw): native; common; Streets 1309; identified in a vegetation plot during 2003–2006.
- Galium lanceolatum* Torr. (lanceleaf wild licorice): native; common; Streets 1313, Vanderhorst 7052, Short 40; identified in a vegetation plot during 2003–2006.
- Galium latifolium* Michx. (purple bedstraw): native; uncommon; identified in a vegetation plot during 2003–2006.
- Galium triflorum* Michx. (fragrant bedstraw): native; abundant; Streets 1310, 1317, 1373; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).
- Houstonia caerulea* L. (azure bluet): native; uncommon; Streets 461; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Houstonia longifolia Gaertn. (longleaf summer bluet): native; common; Streets 437, 451, Peeke S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Mitchella repens L. (partridgeberry): native; common; Streets 1445; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Salicaceae

Populus grandidentata Michx. (bigtooth aspen): native; uncommon; Streets 1293c; (Rentch et al. 2005).

Salix caroliniana Michx. (coastal plain willow): native; uncommon; Streets 1572; identified in a vegetation plot during 2003–2006.

Salix nigra Marsh. (black willow): native; uncommon; Streets 1581, 1582, 1660; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Salix sericea Marsh. (silky willow): native; uncommon; identified in a vegetation plot during 2003–2006.

Santalaceae

Pyralia pubera Michx. (buffalo nut): native; uncommon; Streets 1366; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Saxifragaceae

Heuchera americana L. (American alumroot): native; unknown abundance; Oxley 742; (Oxley 1975).

Heuchera americana L. var. *americana* (American alumroot): native; uncommon; identified in a vegetation plot during 2003–2006.

Heuchera pubescens Pursh (downy alumroot): native; uncommon; Streets 446, 578, Vanderhorst 7060; Mercer County record, Summers County record; identified in a vegetation plot during 2003–2006.

Heuchera villosa Michx. var. *villosa* (hairy alumroot): native; uncommon; Streets 1442, Vanderhorst 6617; identified in a vegetation plot during 2003–2006.

Mitella diphylla L. (twoleaf miterwort): native; uncommon; Streets 349, 1620; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Saxifraga virginiana Michx. var. *virginiana* (early saxifrage): native; uncommon; Streets 334; (Oxley 1975).

Tiarella cordifolia L. (heartleaf foamflower): native; uncommon; Streets 357, Vanderhorst 6827; identified in a vegetation plot during 2003–2006; (Oxley 1975, Norris 1992).

Scrophulariaceae

Aureolaria flava (L.) Farw. var. *flava* (smooth yellow false foxglove): native; uncommon; Vanderhorst 7057; identified in a vegetation plot during 2003–2006.

Aureolaria flava (L.) Farw. var. *macrantha* Pennell (smooth yellow false foxglove): native; uncommon; Streets 1416, 1420; Summers County record; identified in a vegetation plot during 2003–2006.

Aureolaria virginica (L.) Pennell (downy yellow false foxglove): native; uncommon; Grafton S.N.; identified in a vegetation plot during 2003–2006.

- Chelone glabra* L. (white turtlehead): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Lindernia dubia* (L.) Pennell var. *dubia* (yellowseed false pimpernel): native; uncommon; Streets 660, 1409, Vanderhorst 6969; identified in a vegetation plot during 2003–2006.
- Mimulus alatus* Ait. (sharpwing monkeyflower): native; uncommon; Streets 659, Unknown collector S.N.; identified in a vegetation plot during 2003–2006.
- Mimulus ringens* L. var. *ringens* (Allegheny monkeyflower): native; uncommon; Streets 1376; Summers County record; identified in a vegetation plot during 2003–2006.
- Paulownia tomentosa* (Thunb.) Sieb. & Zucc. ex Steud. (princesstree): exotic; invasive, significant threat; uncommon; Streets 1355; identified in a vegetation plot during 2003–2006.
- Pedicularis canadensis* L. ssp. *canadensis* (Canadian lousewort): native; uncommon; Streets 1294; (Oxley 1975).
- Penstemon canescens* (Britt.) Britt. (eastern gray beardtongue): native; common; Streets 447; identified in a vegetation plot during 2003–2006.
- Penstemon hirsutus* (L.) Willd. (hairy beardtongue): native; uncommon; Streets 1395; Summers County record; identified in a vegetation plot during 2003–2006.
- Penstemon pallidus* Small (pale beardtongue): native; uncommon; Streets 436; Potential Mercer County Record; identified in a vegetation plot during 2003–2006.
- Scrophularia lanceolata* Pursh (lanceleaf figwort): native; unknown abundance; Grafton S.N.
- Verbascum blattaria* L. (moth mullein): exotic; invasive, watch list; uncommon; Streets 550, Oxley 1264m; (Oxley 1975).
- Verbascum thapsus* L. (common mullein): exotic; invasive, significant threat; common; Oxley 1264; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Veronica americana* Schwein. ex Benth. (American speedwell): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Veronica arvensis* L. (corn speedwell): exotic; invasive, significant threat; common; Streets 1288; identified in a vegetation plot during 2003–2006.
- Veronica officinalis* L. var. *officinalis* (common gypsyweed): exotic; invasive, significant threat; common; Streets 438, 468; (Oxley 1975).
- Veronica serpyllifolia* L. ssp. *serpyllifolia* (thymeleaf speedwell): exotic; invasive, significant threat; common; Streets 388, Oxley 1283; (Oxley 1975).
- Veronicastrum virginicum* (L.) Farw. (Culver's root): native; uncommon; Streets 656, Vanderhorst 6995; identified in a vegetation plot during 2003–2006.

Smilacaceae

- Smilax ecirrata* (Engelm. ex Kunth) S. Wats. (upright carrionflower): native; common; Potential Summers County record; identified in a vegetation plot during 2003–2006.
- Smilax glauca* Walt. (cat greenbrier): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975).
- Smilax herbacea* L. (smooth carrionflower): native; uncommon; Vanderhorst 7073; Mercer County record; identified in a vegetation plot during 2003–2006.

Smilax rotundifolia L. (roundleaf greenbrier): native; common; Streets 1642, Oxley 449; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Smilax tamnoides L. (bristly greenbrier): native; common; Streets 1308, Vanderhorst 7049; identified in a vegetation plot during 2003–2006.

Solanaceae

Datura stramonium L. (jimsonweed): exotic; unknown abundance; (Oxley 1975).

Physalis heterophylla Nees var. *heterophylla* (clammy groundcherry): native; unknown abundance; Grafton S.N.; (Oxley 1975).

Physalis longifolia Nutt. var. *subglabrata* (Mackenzie & Bush) Cronq. (longleaf groundcherry): native; uncommon; Short 19; identified in a vegetation plot during 2003–2006.

Solanum carolinense L. var. *carolinense* (Carolina horsenettle): native; common; Streets 668, 1338; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Staphyleaceae

Staphylea trifolia L. (American bladdernut): native; common; Streets 361b, Vanderhorst 6787; identified in a vegetation plot during 2003–2006; (Norris 1992).

Thymelaeaceae

Dirca palustris L. (eastern leatherwood): native; uncommon; Streets 1579, 1647, Vanderhorst 6608; identified in a vegetation plot during 2003–2006; (Norris 1992).

Tiliaceae

Tilia americana L. (American basswood): native; common; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Tilia americana L. var. *americana* (American basswood): native; common; Streets 1616, 1636.

Typhaceae

Typha latifolia L. (broadleaf cattail): native; unknown abundance; (Oxley 1975).

Ulmaceae

Celtis occidentalis L. (common hackberry): native; common; Streets 504, Streets 1284; identified in a vegetation plot during 2003–2006.

Ulmus americana L. (American elm): native; common; Streets 341, 404; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Ulmus rubra Muhl. (slippery elm): native; common; identified in a vegetation plot during 2003–2006; (Oxley 1975, Rentch et al. 2005).

Urticaceae

Boehmeria cylindrica (L.) Sw. (smallspike false nettle): native; uncommon; Streets 663, 708; Potential Mercer County Record; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Laportea canadensis (L.) Weddell (Canadian woodnettle): native; uncommon; Streets 1328; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Pilea pumila (L.) Gray var. *pumila* (Canadian clearweed): native; common; Streets 706; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Urtica dioica L. ssp. *dioica* (stinging nettle): exotic; common; Streets 1334, Grafton S.N.; identified in a vegetation plot during 2003–2006; (Oxley 1975).

Urtica dioica L. ssp. *gracilis* (Ait.) Seland. (California nettle): native; unknown abundance; (Oxley 1975).

Verbenaceae

Phryma leptostachya L. (American lopseed): native; uncommon; Streets 1370; Summers County record, Potential Mercer County Record; identified in a vegetation plot during 2003–2006.

Verbena urticifolia L. var. *urticifolia* (white vervain): native; common; Streets 619, 643, 757; identified in a vegetation plot during 2003–2006.

Violaceae

Hybanthus concolor (T. F. Forst.) Spreng. (eastern greenviolet): native; common; Streets 1652, Grafton S.N.

Viola ×*palmata* L. (early blue violet): native; uncommon; Streets 396, 1624; Mercer County record, Summers County record; identified in a vegetation plot during 2003–2006.

Viola blanda Willd. (sweet white violet): native; unknown abundance; (Rentch et al. 2005).

Viola blanda Willd. var. *blanda* (sweet white violet): native; uncommon; Streets 373.

Viola canadensis L. (Canadian white violet): native; common; Streets 599; identified in a vegetation plot during 2003–2006.

Viola cucullata Ait. (marsh blue violet): native; common; Streets 402; identified in a vegetation plot during 2003–2006.

Viola hastata Michx. (halberdleaf yellow violet): native; common; Streets 345a; identified in a vegetation plot during 2003–2006.

Viola hirsutula Brainerd (southern woodland violet): native; uncommon; Streets 1626.

Viola labradorica Schrank (alpine violet): native; unknown abundance; Grafton S.N.

Viola pubescens Ait. var. *pubescens* (downy yellow violet): native; common; identified in a vegetation plot during 2003–2006.

Viola pubescens Ait. var. *scabriuscula* Schwein. ex Torr. & Gray (downy yellow violet): native; common; Streets 354, 1617, Vanderhorst 6825.

Viola rostrata Pursh (longspur violet): native; uncommon; Streets 358, Vanderhorst 6816, 6826, Peeke S.N.

Viola rotundifolia Michx. (roundleaf yellow violet): native; common; (Rentch et al. 2005).

Viola sagittata Ait. (arrowleaf violet): native; common; (Rentch et al. 2005).

Viola sororia Willd. (common blue violet): native; common; Streets 326, 336; identified in a vegetation plot during 2003–2006; (Rentch et al. 2005).

Viola striata Ait. (striped cream violet): native; common; Streets 369, 384, 1289; identified in a vegetation plot during 2003–2006.

Vitaceae

Ampelopsis arborea (L.) Koehne (peppervine): introduced; uncommon; Potential Summers County record; identified in a vegetation plot during 2003–2006.

Parthenocissus quinquefolia (L.) Planch. (Virginia creeper): native; abundant; Streets 1650; identified in a vegetation plot during 2003–2006; (Norris 1992, Rentch et al. 2005).

Vitis aestivalis Michx. var. *bicolor* Deam (summer grape): native; common; identified in a vegetation plot during 2003–2006.

Vitis riparia Michx. (riverbank grape): native; uncommon; Short 17A; identified in a vegetation plot during 2003–2006.

Vitis rupestris Scheele (sand grape): native; rare; WVNHP tracked, S2, G3; Streets 736b, Vanderhorst 6994; Summers County record; identified in a vegetation plot during 2003–2006.

Vitis vulpina L. (frost grape): native; uncommon; Vanderhorst 6932, 6933, Short 67; identified in a vegetation plot during 2003–2006.

Appendix C. Definitions of plant nativity status.

Nativity	Definition
Native	Plants that occurred in West Virginia prior to European settlement.
Adventive	Plants that are native to North America prior to European settlement, but are not native to West Virginia nor were they introduced, and are now found growing in the state.
Introduced	Plants that are native to North America, have been intentionally introduced in West Virginia, and now have escaped cultivation.
Exotic	Plants that are not native to North America but occur without cultivation.

Appendix D. Definitions of invasive ranks.

Invasive status	Definition
Severe threat	Invasive plant species or ecotypes which possess invasive characteristics, and spread easily into native plant communities and displace native vegetation in West Virginia. This includes species which are or likely could become widespread in West Virginia.
Significant threat	Invasive plant species or ecotypes which possess invasive characteristics, but have less threatening impact on native plant communities in West Virginia. This list includes species which may have the capacity to invade natural communities along disturbance corridors, or to spread from stands in disturbed sites into undisturbed areas, but have fewer characteristics of invasive plant species than those within the Severe threat category.
Lesser threat	Invasive plant species or ecotypes which seem principally spread vegetatively in disturbed areas. These species remain in disturbed corridors, not readily invading natural areas, but occasionally are found to be competitive with disturbance-dependant rare species. This also includes some agricultural weeds.
Watch list	Invasive plant species or ecotypes reported to be problematic elsewhere, but for which we have little credible evidence of their threat to natural areas in West Virginia. Species on this list should be investigated for potential threat to natural vegetation.

Appendix E. Definitions of estimated abundance ranks.

Abundance	Definition
Abundant	Large number of individuals; wide ecological amplitude or occurring in habitats covering a large portion of the park.
Common	Large numbers of individuals predictably occurring in commonly encountered habitats but not those covering a large portion of the park.
Uncommon	Few to moderate numbers of individuals; occurring either sporadically in commonly encountered habitats or in uncommon habitats.
Rare	Few individuals usually restricted to small areas of rare habitat.
Unknown	Abundance unknown.

As the nation's primary conservation agency, the Department of the Interior has responsibility for most of our nationally owned public land and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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