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RESEARCH ARTICLE

AN UPDATED CHECKLIST OF VIRGINIA MAYFLY (INSECTA: EPHEMEROPTERA) SPECIES AND THEIR ECOREGION AFFILIATIONS

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ABSTRACT

Currently, the mayfly fauna of Virginia is known to include 185 species in 56 genera among 17 families. Following an extensive literature search, a baseline inventory of county records and US EPA Level III ecoregion designations are provided for each species.

Keywords: Commonwealth, distribution, diversity, records.

INTRODUCTION

The documented collection and identification of mayflies (Insecta: Ephemeroptera) from the Commonwealth of Virginia dates to the 1860s when Hagen (1861) reported *Stenacron interpunctatum* (Say) (as *Baetis interpunctata*; Heptageniidae) from the Allegheny Mountains - a region likely encompassing the present-day Ridge and Valley. Two decades later, Eaton (1883-1888) noted the same species (as *Heptagenia interpunctata*), in addition to *Ephemera simulans* Walker (Ephemeridae) and an undescribed species of *Potamanthus* (now classified as *Anthopotamus*; Potamanthidae). A century later, Kondratieff & Voshell Jr. (1983) published the first comprehensive checklist of Virginia mayflies, which included 130 now valid species. This work was followed by McCafferty et al. (2010), which published a second checklist adding 40 additional species (170 valid species total). Other reports and additions to the faunistic knowledge

of Ephemeroptera in Virginia have occurred on a piecemeal basis. Outside of new state records presented in McCafferty et al. (2010), checklists including statewide distributional data and references corresponding to each species have been lacking. Here we present an updated checklist that includes a detailed, referenced account of historical, county-level distributions of mayfly species in Virginia.

MATERIALS AND METHODS

To better understand the distribution of Virginia Ephemeroptera at the county level, we have compiled all published records for the 185 species documented to date. Additionally, we have associated each species' known distribution with US EPA (Woods et al., 1999) level III ecoregions (Fig. 1). The faunistic account is arranged alphabetically by family, genus, and species. Species nomenclature and classification follows Jacobus & McCafferty (2022) (see www.entm.purdue.edu/mayfly/). For each species, county records are presented from oldest to newest year of publication. Species nomenclature in past publications that differs from current nomenclature is indicated after each citation, as necessary. County records are prioritized by date of publication, and subsequent county data following the first are not provided (i.e., counties or independent cities will only appear once for each species). We include 13 species in the Faunistic Account for which insufficient data are available to determine their distributions. However, based on regional data from North Carolina, Tennessee, and West Virginia (Traver, 1932; Berner, 1977; Faulkner & Tarter, 1977; Long & Kondratieff, 1996; Johnson et al., 2000; Wiersema & McCafferty, 2004; McCafferty et al., 2010), we have high confidence that 12 of these 13 species occur in Virginia. One of these species, *Neophemera compressa* Berner, is known only from Georgia and Florida (Berner, 1956; Berner, 1958; Schneider, 1966; Holland et al., 2016) and is not considered in the coverage area. For these 13 species with insufficient distributional data, we note "location not given".

FAUNISTIC ACCOUNT

Family Ameletidae

Ameletus cryptostimulus Carle: Giles Co. (Carle, 1978); Bedford, Botetourt, Floyd Cos. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

Ameletus lineatus Traver: Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992).

Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley

Ameletus tarteri Burrows: Giles Co. (Burrows, 1987); Augusta Co. (Parker et al., 2012).

Ecoregion: Ridge and Valley.

Ameletus tertius McDunnough: Giles Co. (McCafferty et al., 2010).

Ecoregion: Ridge and Valley.

Family Baetidae

Acentrella nadineae McCafferty: Rappahannock Co. (McCafferty, 2009).

Ecoregions: Northern Piedmont, Blue Ridge Mountains.

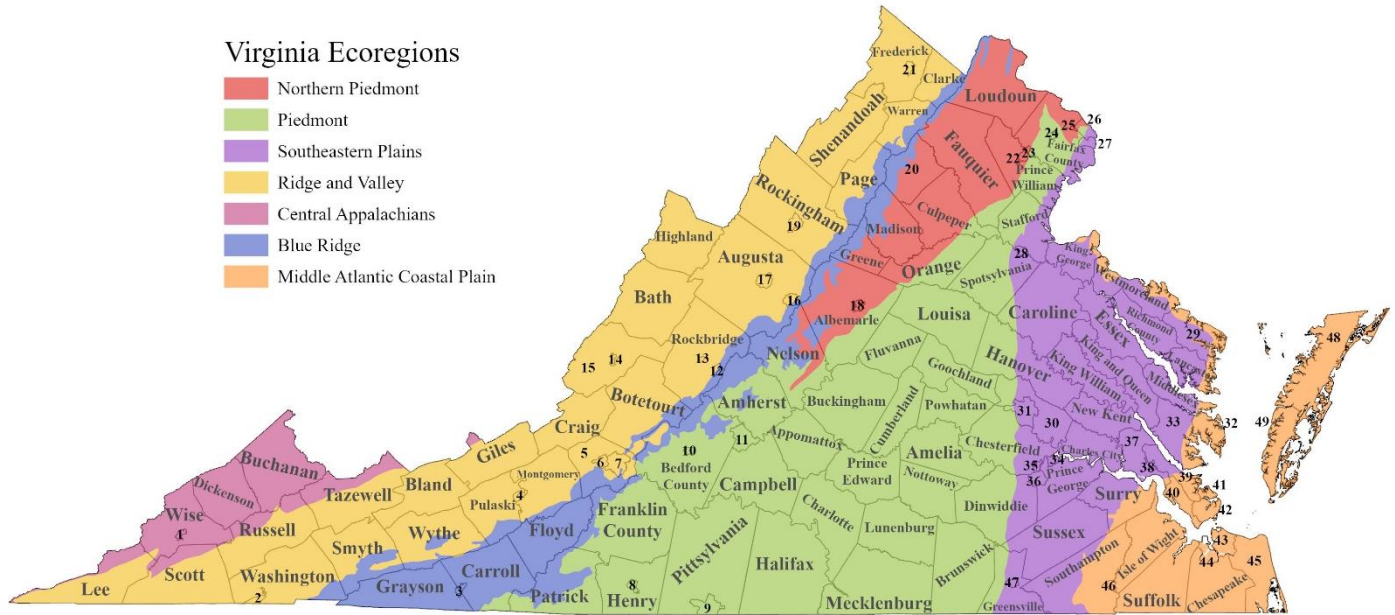


Figure 1. County map of Virginia including incorporated cities and level III ecoregions. Numbered counties and incorporated cities are as follows: 1 Norton, 2 Bristol, 3 Galax, 4 Radford, 5 Roanoke County, 6 Salem, 7 Roanoke City, 8 Martinsville, 9 Danville, 10 Bedford City, 11 Lynchburg, 12 Buena Vista, 13 Lexington, 14 Covington, 15 Alleghany, 16 Waynesboro, 17 Staunton, 18 Charlottesville, 19 Harrisonburg, 20 Rappahannock, 21 Winchester, 22 Manassas, 23 Manassas Park, 24 Fairfax City, 25 Falls Church, 26 Arlington, 27 Alexandria, 28 Fredericksburg, 29 Northumberland, 30 Henrico, 31 Richmond City, 32 Mathews, 33 Gloucester, 34 Hopewell, 35 Colonial Heights, 36 Petersburg, 37 James City, 38 Williamsburg, 39 York, 40 Newport News, 41 Poquoson, 42 Hampton, 43 Norfolk, 44 Portsmouth, 45 Virginia Beach, 46 Franklin City, 47 Emporia, 48 Accomack, 49 Northampton (courtesy of Emily Eggleston).

Acentrella parvula (McDunnough): Carroll Co. (McCafferty et al., 2004).

Ecoregion: Blue Ridge Mountains.

Acentrella turbida (McDunnough): Augusta Co. (Surber, 1951 as *Pseudocloeon carolina*); Amherst, Nelson Cos. (Pugh, 1956 as *P. carolina*); Franklin, Grayson, Patrick Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Acerpenna macdunnoghi (Ide): Shenandoah Co. (McCafferty et al., 2010).

Ecoregion: Ridge and Valley.

Acerpenna pygmaea (Hagen): Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Baetis*).

Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Baetis brunneicolor McDunnough: Russell Co. (Clements et al., 1989).

Ecoregion: Ridge and Valley.

Baetis flavistriga McDunnough: Rappahannock Co. (McCafferty et al., 2004); Floyd Co. (Parker et al., 2012); Franklin, Patrick, Smyth Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Baetis intercalaris McDunnough: Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003); Franklin, Patrick Cos. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains.

- Baetis phoebus* McDunnough: Augusta Co. (Surber, 1951 as *B. cingulatus*); Grayson Co. (Meyer, 2022).
Ecoregions: Ridge and Valley, Blue Ridge Mountains.
- Baetis pluto* McDunnough: Carroll Co. (Moriyama & McCafferty, 1979); Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Baetis tricaudatus* Dodds: Amherst, Nelson Cos. (Pugh, 1956 as *B. vagans*); Montgomery Co. (Moriyama & McCafferty, 1979); Augusta, Bedford, Botetourt, Floyd Cos. (Parker et al., 2012); Patrick, Smyth Cos. (Meyer, 2022).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Barbaetis benfieldi* Kennedy: Carroll Co. (Waltz et al., 1985); Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Callibaetis ferrugineus* (Walsh): Floyd, Giles, Montgomery, Washington Cos. (McCafferty et al., 2010).
Ecoregions: Blue Ridge Mountains, Ridge and Valley.
- Callibaetis floridanus* Banks: Nottoway Co. (Christman & Voshell, 1992).
Ecoregion: Piedmont.
- Callibaetis fluctuans* (Walsh): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Callibaetis pretiosus* Banks: Fairfax Co. (Banks, 1914); Amherst Co. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Cloeon dipterum* (Linnaeus): Montgomery Co., Lucas Dr bog, 15 May 1974, R Clayton (McCafferty et al., 2010; new state record collection data inadvertently omitted).
Ecoregion: Ridge and Valley.
- Diphetero hageni* (Eaton): Appomattox, Bedford, Montgomery, Tazewell Cos. (McCafferty et al., 2010); Floyd Co. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.
- Heterocloeon amplum* (Traver): Hanover Co. (Moriyama & McCafferty, 1979 as *Baetis*); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Baetis*).
Ecoregions: Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Heterocloeon curiosum* (McDunnough): Caroline, Hanover Cos. (Kondratieff & Voshell, 1981a); Grayson Co. (Kennedy, 2003).
Ecoregions: Southeastern Plains, Blue Ridge Mountains.
- Heterocloeon petersi* (Muller-Liebenau): Hanover Co. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003).
Ecoregions: Southeastern Plains, Blue Ridge Mountains.
- Iswaeon anoka* (Daggy): Carroll Co. (McCafferty et al., 2005).
Ecoregion: Blue Ridge Mountains.
- Iswaeon rubrolaterale* (McDunnough): Patrick Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Labiobaetis dardanus* (McDunnough): Carroll Co. (McCafferty et al., 2010).
Ecoregion: Blue Ridge Mountains.
- Labiobaetis ephippiatus* (Traver): Carroll Co. (Moriyama & McCafferty, 1979 as *Baetis*); Hanover Co. (Kondratieff & Voshell, 1981b as *Baetis*); Grayson Co. (Kennedy, 2003).
Ecoregions: Piedmont, Blue Ridge Mountains.

- Labiobaetis frondalis* (McDunnough): Montgomery Co. (McCafferty et al., 2010).
Ecoregion: Ridge and Valley.
- Labiobaetis propinquus* (Walsh): Culpeper, Montgomery Cos. (McCafferty et al., 2010).
Ecoregions: Northern Piedmont, Ridge and Valley.
- Neocloeon alamance* Traver: location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Plauditus cestus* (Provonsha & McCafferty): Montgomery Co. (Gorski et al., 2015).
Ecoregion: Ridge and Valley.
- Plauditus dubius* (Walsh): Amherst, Nelson Cos. (Pugh, 1956 as *Pseudocloeon*); Grayson Co. (Kennedy, 2003); Floyd Co. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Plauditus punctiventris* (McDunnough): Grayson Co. (Meyer, 2022).
Ecoregion: Blue Ridge Mountains.
- Procloeon fragile* (McDunnough): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Procloeon rivulare* (Traver): Highland Co. (Wiersema & McCafferty, 2004).
Ecoregion: Ridge and Valley.
- Procloeon rubropictum* (McDunnough): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Procloeon rufostrigatum* (McDunnough): Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Procloeon simile* (McDunnough): Amhurst Co. (Pugh, 1956 as *Centroptilum*).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Procloeon* sp B: Montgomery Co. (McCafferty et al., 2010).
Ecoregion: Ridge and Valley.
- Waynokiops dentatogriphus* Hill, Pfeiffer & Jacobus: Isle of Wight, Suffolk Cos. (Hill et al., 2010).
Ecoregion: Middle Atlantic Coastal Plain.

Family Baetiscidae

- Baetisca berneri* Tarter & Kirchner: Smyth, Washington Cos. (Tarter & Kirchner, 1978); Carroll, Floyd, Giles, Montgomery, Nelson Cos. (Pescador & Berner, 1981); Grayson Co. (Kennedy, 2003).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Baetisca carolina* Traver: Amherst, Nelson Cos. (Pugh, 1956); Appomattox, Bedford, Carroll, Floyd, Franklin, Giles, Grayson, Montgomery, Patrick, Prince Edward, Warren Cos. (Pescador & Berner, 1981).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Baetisca gibbera* Berner: Craig, Giles, Louisa, Montgomery, Roanoke, Scott, Wythe Cos. (Pescador & Berner, 1981).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Baetisca lacustris* McDunnough: Craig Co. (Pescador & Berner, 1981).
Ecoregion: Ridge and Valley.
- Baetisca rubescens* (Provancher): Allegheny Co. (Kondratieff & Kirchner, 1991).
Ecoregion: Ridge and Valley.

Family Caenidae

Brachycercus nitidus (Traver): Grayson Co. (Kennedy, 2003).

Ecoregion: Blue Ridge Mountains.

Caenis amica Hagen: Hanover Co. (Kondratieff & Voshell, 1981b); Accomack, City of Virginia Beach, Montgomery, Nottoway, Rockingham, Scott Cos. (Provonsha, 1990); Amherst Co. (Parker et al., 2012); Giles, Halifax, Patrick Cos. (Meyer, 2022).

Ecoregions: Piedmont, Middle Atlantic Coastal Plain, Southeastern Plain, Blue Ridge Mountains, Ridge and Valley.

Caenis anceps Traver: Bath, Floyd, Giles, Montgomery, Smyth, Washington Cos. (Provonsha, 1990); Amherst Co. (Parker et al., 2012); Russell Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

Caenis diminuta Walker: Nottoway Co. (Provonsha, 1990); Greenville Co. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains.

Caenis hilaris (Say): Fairfax, Hanover, Montgomery Cos. (Provonsha, 1990).

Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Ridge and Valley.

Caenis latipennis Banks: Fairfax, Rockingham, Washington Cos. (Provonsha, 1990); Giles Co. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.

Caenis macafferti Provonsha: Buckingham, Fauquier, Rappahannock, Rockbridge Cos. (Provonsha, 1990).

Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Caenis punctata McDunnough: Craig, Fairfax, Fauquier Cos. (Provonsha, 1990).

Ecoregions: Piedmont, Southeastern Plains, Ridge and Valley.

Caenis tardata McDunnough: Augusta, Shenandoah, Warren Cos. (Provonsha, 1990).

Ecoregion: Ridge and Valley.

Sparbarus maculatus (Berner): Louisa, Spotsylvania Cos. (Sun & McCafferty, 2008).

Ecoregions: Piedmont, Southeastern Plains.

Family Ephemerellidae

Attenella attenuata (McDunnough): Clark Co. (Allen & Edmunds, 1961 as *Ephemerella*); Montgomery Co. (Jacobus & McCafferty, 2008).

Ecoregions: Blue Ridge Mountains, Ridge and Valley.

Dannella simplex (McDunnough): Clarke Co. (Allen & Edmunds, 1962a as *Ephemerella*); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Grayson Co. (Kennedy, 2003).

Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Drunella allegheniensis (Traver): Montgomery Co. (Kondratieff et al., 1981b); Grayson Co. (Kennedy, 2003).

Ecoregions: Blue Ridge Mountains, Ridge and Valley.

Drunella cornuta (Morgan): Clarke Co. (Allen & Edmunds, 1962b as *Ephemerella*); Rockbridge Co. (Parker et al., 2012).

Ecoregion: Ridge and Valley.

Drunella cornutella (McDunnough): Amherst, Nelson Cos. (Pugh, 1956); Floyd Co. (Parker et al., 2012).

- Ecoregions: Piedmont, Blue Ridge Mountains.
- Drunella lata* (Morgan): Hanover Co. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003); Amhurst, Bath, Giles, Roanoke, Rockingham, Smythe Cos. (Jacobus & McCafferty, 2004; note that some of these records require re-evaluation in light of the study by Funk et al., 2008); Bedford Co. (Parker et al., 2012).
- Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Drunella tuberculata* (Morgan): Nelson Co. (Pugh, 1956 as *Ephemerella*); Clarke Co. (Allen & Edmunds, 1962b as *Ephemerella*); Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b); Alleghany, Bath, Botetourt, Giles, Highland, Montgomery, Orange, Page, Rappahannock, Roanoke, Rockingham, Shenandoah, Smythe Cos. (Jacobus & McCafferty, 2004).
- Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Drunella walkeri* (Eaton): Nelson Co. (Pugh, 1956 as *Ephemerella wayah*); Grayson Co. (Kennedy, 2003); Bedford, Carroll, Floyd, Orange, Pittsylvania, Prince Edward, Washington Cos. (Jacobus & McCafferty, 2004).
- Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Ephemerella catawba* Traver: Madison Co. (Allen and Edmunds 1965); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Smyth Co. (McCafferty et al., 2010); Bedford, Botetourt, Floyd, Patrick, Rockbridge Cos. (Parker et al., 2012).
- Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Ephemerella dorothea* Needham: Carroll Co. (Traver, 1935); Nelson Co. (Pugh 1956); Green Co. (Allen and Edmunds 1965); Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b); Augusta, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Grayson Co. (Jacobus & McCafferty, 2003); Floyd, Patrick Cos. (Parker et al., 2012); Bland, Franklin Cos. (Meyer, 2022).
- Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Ephemerella excrucians* Walsh: Grayson Co. (Jacobus & McCafferty, 2003).
- Ecoregion: Blue Ridge Mountains.
- Ephemerella hispida* Allen & Edmunds: Amherst Co. (Allen & Edmunds, 1965); Smyth Co. (McCafferty et al., 2010); Floyd Co. (Parker et al., 2012).
- Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Ephemerella invaria* (Walker): Albemarle, Fairfax, Fauquier, Greene, Madison, Montgomery, Nelson, Rockingham, Wythe Cos. (Allen & Edmunds 1965, as *E. inconstans* and *E. rotunda*); Hanover Co. (Kondratieff & Voshell, 1981b); Augusta, Rappahannock Cos. (Feldman & Connor, 1992 as *E. rotunda*) Bath, Bedford, Botetourt, Culpeper, Floyd, Giles, Halifax, Henry, Madison, Nottoway, Patrick, Tazewell Cos. (Jacobus & McCafferty, 2003); Grayson Co. (Kennedy, 2003); Franklin Co. (Meyer, 2022).
- Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.
- Ephemerella needhami* McDunnough: Clarke Co. (Allen & Edmunds, 1965); Hanover Co. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003).
- Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Ephemerella subvaria* McDunnough: Augusta Co. (Surber, 1951); Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992).

- Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
Eurylophella aestiva (McDunnough): Bedford, Buckingham, Fauquier, Rappahannock, Washington Cos. (Funk & Sweeney, 1994).
 Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
Eurylophella bicolor (Clemens): Rappahannock Co. (Funk & Sweeney, 1994); Grayson Co. (Kennedy, 2003).
 Ecoregions: Northern Piedmont, Blue Ridge Mountains.
Eurylophella doris (Traver): Greensville Co. (Funk & Sweeney, 1994).
 Ecoregion: Southeastern Plains.
Eurylophella funeralis (McDunnough): Fairfax Co. (Traver, 1935); Amherst, Floyd Cos. (Parker et al., 2012); Bedford, Buchanan, Rappahannock Cos. (Sweeney & Vannote, 1987); Buckingham Co. (Funk et al., 1988); Giles, Fauquier, Nelson, Patrick, Tazewell Cos. (Funk & Sweeney, 1994).
 Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.
Eurylophella macdunnoughi Funk: Botetourt, Giles Cos. (Funk & Sweeney, 1994).
 Ecoregion: Ridge and Valley.
Eurylophella minimella (McDunnough): Amherst, Nelson Cos. (Pugh, 1956 as *Ephemerella*).
 Ecoregions: Piedmont, Blue Ridge Mountains.
Eurylophella prudentialis (McDunnough): Buckingham Co. (Funk et al., 1988); Greensville Co. (Funk & Sweeney, 1994).
 Ecoregions: Piedmont, Southeastern Plains.
Eurylophella temporalis (McDunnough): Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Grayson Co. (Kennedy, 2003).
 Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
Eurylophella versimilis (McDunnough): Hanover Co. (Kondratieff & Voshell, 1981b); Bedford, Buckingham, Giles, Rappahannock Cos. (Funk et al., 1988); Botetourt, Fauquier Cos. (Funk & Sweeney, 1994).
 Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
Penelomax septentrionalis (McDunnough): Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Ephemerella*); Grayson Co. (Kennedy, 2003 as *Ephemerella*).
 Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
Serratella frisoni (McDunnough): Grayson Co. (Kennedy, 2003).
 Ecoregion: Blue Ridge Mountains.
Serratella serrata (Morgan): Amhurst, Carroll, Culpeper, Montgomery Cos. (Jacobus & McCafferty, 2003).
 Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
Serratella serratoides (McDunnough): Amherst, Nelson Cos. (Pugh, 1956 as *Ephemerella*); Hanover Co. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003); Montgomery Co. (Jacobus & McCafferty, 2008); Patrick Co. (Meyer 2022).
 Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
Teloganopsis deficiens (Morgan): Amherst, Nelson Cos. (Pugh, 1956 as *Ephemerella*); Clarke Co. (Allen & Edmunds, 1963A as *Ephemerella*); Hanover Co. (Kondratieff & Voshell, 1981b as *Serratella*); Grayson Co. (Kennedy, 2003 as *Serratella*); Carroll Co. (Jacobus & McCafferty, 2008).

Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.

Tsalia bernerii (Allen & Edmunds): Amherst Co. (Allen & Edmunds, 1958 as *Ephemerella*); Carroll, Henry, Montgomery, Pulaski Cos. (Kondratieff et al., 1981a as *Ephemerella*); Grayson Co. (Kennedy, 2003 as *Ephemerella*).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

Family Ephemeridae

Ephemerella blanda Traver: Carroll, Floyd, Patrick Cos. (Parker et al., 2012); Lee Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.

Ephemerella guttulata Pictet: Amherst Co. (Pugh, 1956); Montgomery Co. (Kondratieff & Voshell, 1984); Floyd, Patrick Cos. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

Ephemerella simulans Walker: Eaton (1883-1888) noted this species was collected from Akhurst, VA, although this location remains unknown; location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).

Ephemerella varia Eaton: Amherst Co. (Pugh, 1956); Prince William Co. (McCafferty, 1994); Floyd, Patrick Cos. (Parker et al., 2012); Montgomery, Washington Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Ridge and Valley, Blue Ridge Mountains.

Hexagenia atrocaudata McDunnough: Lee Co. (McDunnough, 1924); Tazewell Co. (Traver, 1935); Grayson Co. (Kennedy, 2003); Amherst Co. (Parker et al., 2012); Russell Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.

Hexagenia bilineata (Say): Alexandria, Fairfax Cos. (Speith, 1941); Halifax, Patrick, Pittsylvania, Prince Edward Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains.

Hexagenia limbata (Serville): Fairfax, Giles, Greene Cos. (Speith, 1941 as *H. munda*); Charlotte Co. (McCafferty, 1975); Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b as *H. munda*); Amherst, Floyd, Patrick Cos. (Parker et al., 2012); Bland, Campbell, Carroll, Dinwiddie, Franklin, Greenville, Halifax, Henry, Lee, Lunenburg, Montgomery, Pittsylvania, Russell, Smyth, Washington, Wythe Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.

Hexagenia rigida McDunnough: location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).

Litobrancha recurvata (Morgan): Floyd Co. (Parker et al., 2012).

Ecoregion: Blue Ridge Mountains.

Family Heptageniidae

Cinygmula subaequalis (Banks): Bedford, Floyd Cos. (Parker et al., 2012); Nelson Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains.

Epeorus dispar (Traver): Augusta, Bedford, Botetourt, Floyd, Nelson Cos. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

- Epeorus fragilis* (Morgan): Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992).
Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Epeorus namatus* (Burks): Montgomery Co. (McCafferty et al., 2010).
Ecoregion: Ridge and Valley.
- Epeorus pleuralis* (Banks): Amherst, Nelson Cos. (Pugh, 1956); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Bedford, Floyd Cos. (Parker et al., 2012).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Epeorus punctatus* (McDunnough): Giles, Montgomery Cos. (McCafferty et al., 2010).
Ecoregion: Ridge and Valley.
- Epeorus vitreus* (Walker): Amherst, Nelson Cos. (Pugh, 1956 as *E. humeralis*); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Floyd Co. (Parker et al., 2012); Grayson Co. (Meyer, 2022).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Heptagenia dolosa* Traver: Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Heptagenia flavescens* (Walsh): Hanover Co. (Kondratieff & Voshell, 1981b).
Ecoregions: Piedmont, Southeastern Plains.
- Heptagenia marginalis* Banks: Arlington, Fairfax Cos. (Banks, 1910); Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b); Grayson Co. (Kennedy, 2003); Henry Co. (Meyer, 2022).
Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains.
- Heptagenia pulla* (Clemens): Patrick Co. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Heptagenia townesi* Traver: Patrick Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Leucrocruca aphrodite* (McDunnough): Hanover Co. (Kondratieff & Voshell, 1981b); Amherst, Patrick Cos. (Parker et al., 2012); Floyd, Grayson, Nelson Cos. (Meyer, 2022).
Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Northern Piedmont.
- Leucrocruca hebe* (McDunnough): Grayson Co. (Kennedy, 2003); Franklin, Greenville, Patrick, Washington Cos. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains, Southeastern Plains, Ridge and Valley.
- Leucrocruca juno* (McDunnough): Amherst, Nelson Cos. (Pugh, 1956 as *Heptagenia juno*).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Leucrocruca maculipennis* (Walsh): Amherst Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Leucrocruca minerva* (McDunnough): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Leucrocruca thetis* (Traver): Floyd Co. (McCafferty, 2009).
Ecoregion: Blue Ridge Mountains.
- Leucrocruca umbratica* (McDunnough): Floyd Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Maccaffertium carlsoni* (Lewis): Page, Madison, Wythe Cos. (Bednarik & McCafferty, 1979 as subgenus).
Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium exiguum* (Traver): Grayson Co. (Kennedy, 2003 as *Stenonema*); Carroll, Floyd, Patrick Cos. (Parker et al., 2012); Greenville Co. (Meyer, 2022).

- Ecoregions: Piedmont, Blue Ridge Mountains, Southeastern Plains.
- Maccaffertium ithaca* (Clemens & Leonard): Allegheny, Augusta, Bath, Bland, Botetourt, Craig, Franklin, Giles, Highland, Montgomery, Patrick, Pulaski, Roanoke, Rockbridge, Rockingham, Shenandoah, Wise, Wythe Cos. (Carle, 1977 as *Stenonema allegheniense*): Floyd, Grayson Cos. (Bednarik & McCafferty, 1979 as subgenus).
- Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.
- Maccaffertium mediopunctatum* (McDunnough): Giles Co. (Bednarik & McCafferty, 1979 as subgenus); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Stenonema*); Grayson Co. (Kennedy, 2003 as *Stenonema*).
- Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium meririvulanum* (Carle & Lewis): Allegheny, Bath, Craig, Fauquier, Floyd, Giles, Grayson, Highland, Montgomery, Page, Patrick, and Roanoke Cos. (Carle & Lewis, 1978 as *Stenonema*); Madison Co. (Bednarik & McCafferty, 1979); Augusta, Bedford, Botetourt, Rockbridge Cos. (Parker et al., 2012); Amherst, Henry Cos. (Meyer, 2022).
- Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium mexicanum* (Ulmer): Hanover Co. (Kondratieff & Voshell, 1981b as *Stenonema integrum*); Henry, Pittsylvania Cos. (Meyer, 2022).
- Ecoregions: Piedmont, Southeastern Plains.
- Maccaffertium modestum* (Banks): Augusta Co. (Surber, 1951 as *Stenonema varium*); Fauquier, Hanover, Louisa Cos. (Bednarik & McCafferty, 1979 as subgenus); Caroline Co. (Kondratieff & Voshell, 1981b as *Stenonema*); Russell Co. (Clements et al., 1989 as *Stenonema*); Carroll Co. (Diamond et al., 1990 as *Stenonema*); Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Stenonema*); Surry Co. (Smock, 1994 as *Stenonema*); Grayson Co. (Kennedy, 2003 as *Stenonema*); Amherst, Bedford, Botetourt, Rockbridge Cos. (Parker et al., 2012); Floyd, Halifax Cos. (Meyer, 2022).
- Ecoregions: Piedmont, Middle Atlantic Coastal Plain, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium pudicum* (Hagen): Amherst, Nelson Cos. (Pugh, 1956 as *Stenonema*); Greene Co. (Lewis, 1974); City of Falls Church, Fairfax, Giles Cos. (Bednarik & McCafferty, 1979 as subgenus); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Stenonema*); Bedford, Floyd, Roanoke Cos. (Parker et al., 2012).
- Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium pulchellum* (Walsh): Augusta Co. (Surber, 1951 as *Stenonema*); Grayson Co. (Kennedy, 2003 as *Stenonema*).
- Ecoregions: Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium smithae* (Traver): Grayson Co. (Kennedy, 2003 as *Stenonema*).
- Ecoregion: Blue Ridge Mountains.
- Maccaffertium terminatum* (Walsh): Giles Co. (Bednarik & McCafferty, 1979 as subgenus); Hanover Co. (Kondratieff & Voshell, 1981b as *Stenonema*); Grayson Co. (Kennedy, 2003 as *Stenonema*); Floyd Co. (Parker et al., 2012); Bedford, Halifax, Pittsylvania Cos. (Meyer, 2022).
- Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Maccaffertium vicarium* (Walker): Augusta Co. (Surber, 1951 as *Stenonema fuscum*); Montgomery, Wise Cos. (Bednarik & McCafferty, 1979 as subgenus); Greene,

- Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Stenonema*); Bland, Floyd Cos. (Meyer, 2022).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.
- Macdunnoa persimplex* (McDunnough): Patrick Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Nixe spinosa* (Traver): Washington Co. (Meyer, 2022).
Ecoregions: Blue Ridge Mountains, Ridge and Valley.
- Rhithrogena amica* Traver: Amherst Co. (Pugh, 1956); Patrick Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Rhithrogena anomala* McDunnough: Amherst Co. (Pugh, 1956).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Rhithrogena exilis* Traver: Amherst, Nelson Cos. (Pugh, 1956).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Rhithrogena manifesta* Eaton: location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Rhithrogena uhari* Traver: Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Stenacron carolina* (Banks): Giles Co. (Carle & Lewis, 1978); Augusta, Bedford, Botetourt, Carroll, Floyd, Patrick, Rockbridge Cos. (Parker et al., 2012); Pittsylvania Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Stenacron floridense* (Lewis): Grayson Co. (Kennedy, 2003).
Ecoregion: Blue Ridge Mountains.
- Stenacron gildersleevei* (Traver): Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Franklin Co. (Meyer, 2022).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Stenacron interpunctatum* (Say): Augusta Co. (Surber, 1951 as *S. heterotarsale*); Amherst, Nelson Cos. (Pugh, 1956 as *Stenonema heterotarsale*); Hanover Co. (Kondratieff & Voshell, 1981b); Montgomery Co. (Kondratieff & Voshell, 1984); Grayson Co. (Kennedy, 2003); Carroll, Floyd, Franklin, Greenville, Patrick, Pittsylvania, Sussex Cos. (Meyer, 2022).
Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley, Middle Atlantic Coastal Plain.
- Stenacron pallidum* (Traver): Botetourt Co. (Meyer, 2022).
Ecoregions: Blue Ridge Mountains, Ridge and Valley.
- Stenonema femoratum* (Say): Montgomery Co. (Bednarik & McCafferty, 1979); Augusta, Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Bedford, Bland, Brunswick, Floyd, Franklin, Grayson, Halifax, Nelson, Patrick, Pittsylvania Cos. (Meyer, 2022).
Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Family Isonychiidae

- Isonychia arida* (Say): Hanover Co. (Kondratieff & Voshell, 1981b as *I. pictipes*); Louisa Co. (Kondratieff & Voshell, 1984); Bedford, Franklin, Halifax, Pittsylvania Cos. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains.

Isonychia bicolor (Walker): Augusta Co. (Surber, 1951 as *I. sadleri*); Amherst, Nelson Cos. (Pugh, 1956 as *I. sadleri*); Craig, Culpeper, Fairfax, Giles, Hanover, Montgomery, Orange, Spotsylvania Cos. (Kondratieff & Voshell, 1984); Carroll Co. (Diamond et al., 1990); Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992); Russell Co. (Cherry et al., 2002); Grayson Co. (Kennedy, 2003); Bedford, Floyd, Patrick Cos. (Parker et al., 2012); Campbell, Halifax, Wythe Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.

Isonychia georgiae McDunnough: Bedford, Louisa Cos. (Kondratieff & Voshell, 1984); Floyd, Henry, Pittsylvania Cos. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains.

Isonychia hoffmani Kondratieff & Voshell: Highland Co. (Kondratieff & Voshell, 1984).

Ecoregion: Ridge and Valley.

Isonychia obscura Traver: Carroll, Culpeper, Louisa, Montgomery Cos. (Kondratieff & Voshell, 1984); Grayson Co. (Kennedy, 2003); Patrick, Pittsylvania Cos. (Meyer, 2022).

Ecoregions: Piedmont, Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.

Isonychia sayi Burks: Sussex Co. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains.

Isonychia serrata Traver: Grayson Co. (Kondratieff & Voshell, 1984); Bedford Co. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains.

Isonychia similis Traver: Floyd, Grayson Cos. (Kondratieff & Voshell, 1984); Bedford, Patrick Cos. (Parker et al., 2012); Franklin Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains.

Isonychia tusculanensis Berner: Giles, Montgomery, Tazewell Cos. (Kondratieff & Voshell, 1984); Bedford Co. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.

Family Leptohiphidae

Tricorythodes allectus (Needham): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).

Tricorythodes stygiatus McDunnough: Grayson Co. (Kennedy, 2003).

Ecoregion: Blue Ridge Mountains.

Family Leptophlebiidae

Choroterpes basalis (Banks): Craig Co. (Burian, 1995).

Ecoregion: Ridge and Valley.

Habrophlebia vibrans Needham: Amherst Co. (Pugh, 1956); Bedford, Floyd, Patrick Cos. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains.

Habrophlebiodes americana (Banks): Nelson Co. (Pugh, 1956); Montgomery Co. (Kondratieff & Voshell, 1984); Amherst, Floyd, Patrick Cos. (Parker et al., 2012).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

- Habrophlebiodes celeteria* Berner: location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Leptophlebia bradleyi* Needham: Hanover Co. (Kondratieff & Voshell, 1981b).
Ecoregions: Piedmont, Southeastern Plains.
- Leptophlebia cupida* (Say): Fauquier, Giles, Prince William Cos. (Burian, 2001).
Ecoregions: Piedmont, Northern Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.
- Leptophlebia intermedia* (Traver): Bath Co. (Burian, 2001); Giles Co. (Webb et al., 2012).
Ecoregion: Ridge and Valley.
- Leptophlebia johnsoni* McDunnough: Grayson Co. (Kondratieff & Kirchner, 1991).
Ecoregion: Blue Ridge Mountains.
- Leptophlebia nebulosa* (Walker): City of Williamsburg (Traver, 1935 as *Blasturus*); Tazewell Co. (Burian, 2001).
Ecoregions: Southeastern Plains, Ridge and Valley, Central Appalachians.
- Neoleptophlebia adoptiva* (McDunnough): Amherst Co. (Pugh, 1956 as *Paraleptophlebia*); Floyd Co. (Parker et al., 2012 as *Paraleptophlebia*); Washington Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Neoleptophlebia assimilis* (Banks): Nelson Co. (Parker et al., 2012 as *Paraleptophlebia*).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Neoleptophlebia mollis* (Eaton): Augusta Co. (Surber, 1951 as *Paraleptophlebia*); Greene, Rappahannock, Rockingham Cos. (Feldman & Connor, 1992 as *Paraleptophlebia*).
Ecoregions: Northern Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Paraleptophlebia debilis* (Walker): Augusta, Bedford Cos. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.
- Paraleptophlebia guttata* (McDunnough): Amherst, Nelson Cos. (Pugh, 1956); Bedford, Floyd, Patrick Cos. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Paraleptophlebia jeanae* Berner: Amherst Co. (Berner, 1955).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Paraleptophlebia moerens* (McDunnough): Augusta, Nelson Cos. (Parker et al., 2012).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Paraleptophlebia ontario* (McDunnough): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).
- Paraleptophlebia volitans* (McDunnough): Surry Co. (Smock, 1994).
Ecoregion: Southeastern Plains.

Family Metretopodidae

- Siphloplecton basale* (Walker): Floyd Co. (Meyer, 2022).
Ecoregions: Piedmont, Blue Ridge Mountains.
- Siphloplecton costalense* Spieth: Southhampton Co. (Spieth, 1938).
Ecoregion: Southeastern Plains.

Family Neophemeridae

- Neophemera bicolor* Berner: Carroll Co. (Holland et al., 2016).

Ecoregions: Piedmont, Blue Ridge Mountains.

Neoephemera compressa Berner: location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).

Neoephemera eatoni Holland, Beaty & Jacobus: Craig, Grayson Cos. (Holland et al., 2016).

Ecoregion: Blue Ridge Mountains.

Neoephemera purpurea (Traver): Nelson Co. (Berner, 1956); Grayson Co. (Kennedy, 2003); Floyd Co. (Holland et al., 2016).

Ecoregions: Piedmont, Blue Ridge Mountains.

Neoephemera youngi Berner: Caroline, Hanover Cos. (Kondratieff & Voshell, 1981b).

Ecoregions: Piedmont, Southeastern Plains.

Family Oligoneuriidae

Homoeoneuria cahabensis Pescador & Berner: Grayson Co. (Kennedy, 2003).

Ecoregion: Blue Ridge Mountains.

Family Polymitarciidae

Ephoron leukon Williamson: Augusta Co. (Snyder et al., 1991); Grayson Co. (Kennedy, 2003); Floyd, Pulaski Cos. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley.

Family Potamanthidae

Anthopotamus distinctus (Traver): Lee, Washington, Wythe Cos. (Bae & McCafferty, 1991); Grayson Co. (Kennedy, 2003); Franklin, Patrick Cos. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains, Ridge and Valley, Central Appalachians.

Anthopotamus myops (Walsh): Loudoun Co. (Bae & McCafferty, 1991).

Ecoregion: Northern Piedmont.

Anthopotamus neglectus (Traver): Franklin, Grayson Cos. (Meyer, 2022).

Ecoregions: Piedmont, Blue Ridge Mountains.

Anthopotamus verticis (Say): Clarke, Fairfax Cos. (Bae & McCafferty, 1991); Pulaski Co. (Meyer, 2022).

Ecoregions: Piedmont, Southeastern Plains, Blue Ridge Mountains, Ridge and Valley.

Family Pseudironidae

Pseudiron centralis McDunnough: Carroll Co. (Kondratieff & Kirchner, 1991); Grayson Co. (Kennedy, 2003).

Ecoregions: Piedmont, Blue Ridge Mountains.

Family Siphonuridae

Siphonurus mirus (Eaton): Montgomery Co. (Voshell, 1982).

Ecoregion: Ridge and Valley.

Siphonurus quebecensis (Provancher): location not given (Kondratieff & Voshell, 1983; McCafferty et al., 2010).

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