

Mayflies (Ephemeroptera) of the far western United States. Part 2: Oregon

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ABSTRACT

The mayfly fauna of Oregon consists of 142 species in 45 genera among 11 families. Previous data and new data (from 20 major collections) are given for all species and include first published state data for 52 of the species. In addition, 977 new county records involving all 36 Oregon counties are given for 117 of the species.

INTRODUCTION

Eaton (1885) in his world monograph of mayflies (1883-88) was the first to account for any mayflies from Oregon, treating six species now known as *Ironodes nitidus* (Eaton), *Cinyrna integrum* Eaton, *Ameletus exquisitus* Eaton, *Paraleptophlebia gregalis* (Eaton), *P. rufivenosa* (Eaton), and *P. vaciva* (Eaton). Other workers added records for Oregon, most notably McDunnough (1933, 1934, 1935) and Traver (1934, 1935a,b) during the Golden Age of discovery of North American mayflies (McCafferty 2001), leading up to the publication of the first list of Oregon mayflies by Allen and Edmunds (1956). The latter listed what are now recognized as the equivalent of 69 valid and confirmed species, but unfortunately the authors provided no substantiating record data. Thus, the latter work does not appear in any previous-data sections herein (see McCafferty 2000). Prior to the present report, 90 valid species had been recorded from Oregon based on published record data. Twenty-three of those species were described from Oregon.

The present work represents part two in our series on the mayflies of the far western conterminous USA, following our treatment of Washington state (see Meyer and McCafferty 2007). Alaska was treated comprehensively by Randolph and McCafferty (2005). In the inventory of Oregon herein we have added 52 species to the previous 90, based on newly applied record data for Oregon, bringing the current total of valid mayfly species known from Oregon to 142. Nineteen species had previously been reported only in unpublished theses or technical reports, and for 17 of those species we have been able to verify their presence in the state with considerable new data. In the case of the single previous unpublished reports of *Cinygmula lyriforme* (McDunnough) by Allen (1955) from Benton County and of *C. tarda* (McDunnough) by LaGasa (1978) from Union County, we have been unable to confirm their presence in the state with additional records or by verification of the material on which the records were based. Furthermore, *C. lyriforme* in Oregon may be unlikely due to the species' known far northern range and absence from Washington; and the *C. tarda* record was based on a larva, a stage that remains unknown for that species. We therefore have discounted



Fig. 1. Oregon counties.

these two species from the faunal account. We also do not include the nomen dubium, *Ironodes geminatus* (Eaton).

Mayflies were found in all 36 Oregon counties (Fig. 1) based on source data from 20 institutional and private collections. We provide 977 new county records for 117 of the 142 species included in our account. All Oregon species were verified via identification. The style of data presentation is after Guenther and McCafferty (2005) and Meyer and McCafferty (2007). New data are based on larval mayflies, unless “A” for adults, or “A,L” for both adults and larvae, are appended to the collection data. Only surnames of collectors are given, when known. Records or listings unaccompanied by collection data are not recognized as previous data (see McCafferty 2000).

Materials on which our records are based are housed at the following institutions or private collections, and are indicated in the new-data sections by their parenthetical upper case acronyms as follows: Benthic Aquatic Research Services, Hot Springs, AR (BARS); Bureau of Land Management/Utah State University National Aquatic Monitoring Center BugLab, Logan, UT (BLAB); Monte L. Bean Life Science Museum, Brigham Young University, Provo, UT (BYU); California Academy of Sciences, San Francisco, CA (CAS); Clemson University Arthropod Collection, Clemson, SC (CLEM); C. P. Gillette Museum, Colorado State University, Fort Collins, CO (CSU); Cornell University Arthropod Collection, Ithaca, NY (CUAC); Environmental Protection Agency [NHEERL/WED], Corvallis, OR (EPA); reference collections of Robert Newell and the University of Montana Flathead Lake Biological Station, Polson, MT (FLBS); Illinois Natural History Survey, Urbana, IL (INHS); Natural History Museum of Los Angeles County, Los Angeles, CA (LACM); Oregon Department of Environmental Quality, Portland, OR (ODEQ); Oregon State Arthropod Collection, Oregon State

University, Corvallis, OR (OSU); Purdue Entomological Research Collection, West Lafayette, IN (PERC); Sacramento State University, Sacramento, CA (SACS); Essig Museum of Entomology, Berkeley, CA (UCB); Bohart Museum, University of California, Davis, CA (UCD); Entomology Research Museum, University of California, Riverside, CA (UCR); National Water Quality Laboratory, United States Geological Survey, Denver, CO (USGS); James Entomological Collection, Washington State University, Pullman, WA (WSU).

FAUNISTIC DATA

Ameletidae

Ameletus amator Mayo

Previous data.—LaGasa (1978): UNION (LaGrande); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Mack Cr, Grasshopper Cr, Quartz Cr).

Ameletus andersoni Zloty

Previous data.—Dieterich and Anderson (1995): BENTON (McDonald-Dunn For, Oak Cr, Jackson Cr); Zloty (1996): BENTON (Corvallis, McDonald-Dunn For, Oak Cr), LANE (Quartz Cr).

New data.—BENTON: 60th St, Corvallis, 30-IV-1997, Anderson, A, and Marys Peak, 26-V-1967, Evans, A (PERC); CLATSOP: Gronnel Rd, 2 mi E Elsie, 6-VII-1967, Jewett, A (OSU); DOUGLAS Bulldog Cr, 19-VI-1998, Wisseman, A (PERC); JOSEPHINE: Woodbury Cr, 8-VI-1999, A (PERC); LINN: Marion Forks, North Santiam R, Hwy 22, 21-IX-1968, Evans, A (PERC); MARION: Silver Falls St Prk, 22-IV-1967, Evans, A (PERC).

Ameletus bellulus Zloty

New data.—BENTON: North Fork Alsea R, 18-IV-1970, Evans (PERC); CURRY: 1.5 mi N Arizona Beach, Hwy 101, 16-IV-1967, Evans (PERC); DOUGLAS: 2 mi S Rice Hill, I-5, 24-IV-1984 (PERC); JOSEPHINE: 2 mi W Obrien, 16-IV-1967, Evans (PERC); UNION: Grande Ronde R trib, Hwy 82, 31-V-1970, Tew & Evans (PERC); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC).

Ameletus celer McDunnough

New data.—JACKSON: Mt Ashland, 20-VII-1988 (PERC); JEFFERSON: Clear Cr, Sherman Camp, 23-VIII-1954, Allen, and Metolius R trib, 20-VI-1954, Edmunds (CAS), and Metolius R, 18-IV-1998, Anderson (PERC); LAKE: Pole Cr, 24-VIII-1999, Fields (PERC).

Ameletus cooki McDunnough

Previous data.—LaGasa (1978): UNION (nr LaGrande); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr); Zloty (1996): BENTON.

New data.—BENTON: Phillips Cr, Lobster Valley, 22-V-76, Anderson, A (OSU); JEFFERSON: Canyon Cr, Hwy 12, 13-VII-1996, Ruitter, A (PERC); LANE: Mack Cr, 23-VIII-1975, Graifus, A (OSU); LINN: Crabtree Cr, 5 mi E Crabtree, 6-VII-1975, Linn, A (OSU).

Ameletus dissitus Eaton

Previous data.—Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

Ameletus exquisitus Eaton

Previous data.—Eaton (1885): HOOD RIVER (Mt. Hood); Allen (1955): BENTON (Willamette R), LANE (Willamette R); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr); Zloty (1996): LINCOLN.

New data.—LANE: Coast Fork Willamette R, 27-III-1934, McDunnough, A (OSU).

Ameletus majusculus Zloty

Previous data.—Zloty (1996): KLAMATH, LANE (Grasshopper Cr).

New data.—JACKSON: 1 mi W Ruch, Hwy 238, 15-IV-1967, and Jenny Cr, Hwy 66, Pinehurst, 15-IV-1967, Evans (PERC); JEFFERSON: Clear Cr, 23-VIII-1954, Edmunds (CAS); LAKE: Lower Pole Cr, 27-VII-1999, Fields (PERC).

Ameletus minimus Zloty and Harper

Previous data.—Zloty and Harper (1999): LANE (Lookout Cr trib, Quartz Cr).

Ameletus oregonensis McDunnough

Previous data.—McDunnough (1933): BENTON (Rock Cr).

Ameletus pritchardi Zloty

New data.—CLACKAMAS: Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen (CAS).

Ameletus quadratus Zloty and Harper

Previous data.—Zloty and Harper (1999): LANE (Mack Cr).

Ameletus shepherdii Traver

Previous data.—Zloty (1996): UNION.

Ameletus similior McDunnough

Previous data.—LaGasa (1978) as *A. monta* Mayo: UNION (nr LaGrande); Dieterich and Anderson (1990): BENTON (McDonald-Dunn For).

New data.—CLACKAMAS: Still Cr, Mt Hood, 27-VIII-1954, Edmunds (CAS); HOOD RIVER: East Fork Hood R, Sahale Falls, 31-VIII-1958, Edmunds & Allen, and South Fork Mineral Cr, Mt Hood, 27-VIII-1954, Edmunds (CAS).

Ameletus sparsatus McDunnough

Previous data.—Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—BAKER: Eagle Cr, 23-VI-1978, Brigham et al. (PERC); BENTON: Alder Cr Falls, Marys Peak Rd, 23-VII-2002, Meyer (PERC); CLACKAMAS: Eagle Cr, 27-VI-1948, Jewett, A (CAS); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC), and South Umpqua R, Round

Prairie, 27-V-1976, Stansbury, A (OSU); UMATILLA: North Fork Walla Walla R, 21-VI-1997, and South Fork Walla Walla R, 26-VII-1997 (FLBS); UNION: Grande Ronde R, 31-VI-1997 (FLBS).

Ameletus suffusus McDunnough

Previous data.—Allen (1955): HOOD RIVER (Mt Hood); Anderson and Hanson (1987): BENTON (Berry Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 20-V-1967, Jewett, A (OSU); LAKE: Long Cr, 14-VII-1999, Fields (PERC); MULTNOMAH: Horsetail Falls, Columbia Gorge, 17-VI-1988 A (PERC); WALLOWA: Gumboot Cr, 16-VII-1973, Anderson (OSU); WASHINGTON: Hillsboro, 3-V-1938, Schuh & Gray, A (INHS).

Ameletus tolae Zloty

Previous data.—Zloty (1996): UNION (Lick Cr).

Ameletus validus McDunnough

Previous data.—LaGasa (1978): UNION (nr LaGrande); Harper et al. (1995): LANE (Grasshopper Cr, Quartz Cr).

New data.—LINN: Marion Forks, Santiam R, Hwy 22, 21-IX-1968, Evans, A (PERC).

Ameletus vancouverensis McDunnough

Previous data.—LaGasa (1978) as *A. facilis* Day: UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Mack Cr); Zloty (1996): HOOD RIVER.

Ameletus velox Dodds

Previous data.—Anderson and Hanson (1987) as *A. connectus* McDunnough: BENTON (Berry Cr); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr).

New data.—BENTON: North Fork Alsea R, 18-IV-1970, Evans (PERC); LANE: McKenzie R, V-2002, and Willamette R, XII-2000, Goldhammer (BARS); LINN: Willamette R, XII-2000, Goldhammer (BARS); UNION: Lick Cr, Wallowa-Whitman Natl For, 23-VI-1978, Brigham & Brigham (PERC).

Ameletus vernalis McDunnough

Previous data.—Zloty (1996): BENTON, GRANT.

New data.—BAKER: West Fork Goose Cr, Sanger Mine Rd, 17-V-1977, Baumann (BYU); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC); HOOD RIVER: South Fork Mineral Cr, Mt Hood, 27-VIII-1954, Edmunds (CAS); LINN: Colorado Lake, 2-VII-1938, Crawford (INHS); MARION: Silver Falls St Prk, 22-IV-1967, Evans (PERC); UMATILLA: North Fork Walla Walla R, 17-I-1998 (FLBS); UNION: Grande Rhonde R, 31-VI-1997 (FLBS).

Ametropodidae

Ametropus ammophilus Allen

Previous data.—Allen (1955): BENTON (Mary's R), JACKSON (Rogue R); Allen and Edmunds (1976): DESCHUTES (Lapine); Hafele and Hughes (1978): KLAMATH (Wood R).

Baetidae

Acentrella insignificans (McDunnough)

Previous data.—Allen (1955): DESCHUTES (Deschutes R), DOUGLAS (South Umpqua R), MALHEUR (Vale).

New data.—BENTON: Willamette R, 26-VIII-1954, G Edmunds (PERC); CLACKAMAS: Pudding R, 30-VI-2003 (EPA); CLATSOP: Gronnel Rd, 2 mi E Elsie, 18/19-V-1968, Jewett, A (OSU); CROOK: Paulina Cr, East Fork Rd, 18-VI-1954, Edmunds (PERC); DESCHUTES: Deschutes, 24-VIII-2001 (EPA); DOUGLAS: South Umpqua R, Stanton Pk, 5-IX-1975, Stansbury, A (OSU); GRANT: Bull Run Cr, 27-VIII-2003, and Middle Fork John Day R, 25-VIII-2003, and North Fork John Day R, 7-VI-2001, and Riley Cr, 18-VII-2001 (EPA), and John Day R, 8 mi E Dayville, 30-VIII-1958, Edmunds & Allen (PERC); HARNEY: Middle Fork Malheur R, Hwy 20, 25-VI-1954, Edmunds (PERC); JOSEPHINE: Illinois R, Eight Dollar Rd, 14-VII-1985, Courtney, A (PERC), and Rogue R, 18-IX-2000 (EPA); LANE: Coast Fork Willamette R, 27-VI-2002, and Siuslaw R, 28-V-2003 (EPA), and McKenzie R, Armitage Prk, 1-IX-2001, and Willamette R, XII-2000, Goldhammer (BARS); LINN: Willamette R, VII-2001, Goldhammer (BARS); MALHEUR: Snake R, Nyssa, 29-VIII-1958, Edmunds & Allen, A (PERC); TILLAMOOK: Anderson Cr, Hwy 101, 17-VI-1997 (ODEQ); UMATILLA: Camas Cr, 16-VII-2002 (EPA); WALLOWA: North Minah R, 10-IX-2002 (EPA); WASCO: Deschutes R, 12-IX-2000, and John Day R, 18-VI-2003 (EPA); YAMHILL: Agency Cr, 14-VIII-1996 (ODEQ).

Acentrella turbida (McDunnough)

Previous data.—Waltz and McCafferty (1987); LANE (Wildcat Cr); McCafferty et al. (1994): COOS (South Fork Coquilla R), DOUGLAS (South Umpqua R).

New data.—BENTON: Willamette R, Snag Boat Bend, IV-2002, Goldhammer (BARS); CLACKAMAS: Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen (PERC); CLATSOP: Gronnel Rd, 2 mi E Elsie, 22-VI-1968, Jewett, A (OSU); DOUGLAS: Bachelor Cr, 19-VIII-1993 (ODEQ), and Days Cr, 9-VI-1975, Anderson, and Cow Cr, Riddle, 8-IX-1975, and Umpqua R, Stanton Prk NW Canyonville, 5-IX-1976, Stansbury (OSU), and Williams Cr, 19-IX-2002 (EPA); GILLIAM: Long Rock Cr, 9-VII-2002 (EPA); GRANT: Bull Run Cr, 17-VII-2002, and Graves Cr, 10-VII-2001, and Middle Fork John Day R, 25-VIII-2003 (EPA), and North Fork John Day R, 17-VII-1982, Courtney (PERC); HARVEY: Fish Cr, 12-VIII-2003 (EPA); JOSEPHINE: Grayback Cr, 28-VIII-1977, Anderson, A (OSU); LANE: McKenzie R, VII-1998, and Mohawk R confl, VII-1998, and Walterville Div Canal, IX-2001, and Willamette R, VII-2001, Goldhammer (BARS), and Siuslaw R, 16-IX-2003 (EPA); LINN: Willamette R, VI-1998, Goldhammer (BARS); MARION: Drift Cr, 2-VIII-2001 (EPA), and Willimette R, VI-1998, Goldhammer (BARS); MORROW: Johnson Cr, 12-VII-2001, and Potamus Cr, 24-VII-2002 (EPA); POLK: Ash Swale, 23-VIII-1999 (ODEQ), and Mill Cr, 9-VII-1977, Anderson, A (OSU), and Willimette R, VI-

1998, Goldhammer (BARS); TILLAMOOK: Anderson Cr, 31-VIII-1999 (ODEQ); UMATILLA: North Fork John Day R, 17-VII-1982, Courtney (PERC); WHEELER: Rock Cr, 31-VII-2002 (EPA).

Acerpenna pygmaea (Hagen)

Previous data.—McCafferty and Meyer (2007): DOUGLAS (Umpqua R).

Apobaetis etowah (Traver)

New data.—WASCO: John Day R, 11-IX-2000 (EPA).

Baetis adonis Traver

New data.—BAKER: Eagle Cr, 28-VI-1978, Brigham & Brigham (PERC).

Baetis alius Day

New data.—COOS: Upper Rock Cr, 2-VIII-2000 (EPA); GRANT: Clear Cr, 20-VII-2000, and Sponge Cr, 1-VIII-2000 (EPA); JACKSON: Rogue R, Hwy 230, 24-VIII-1954, Edmunds (PERC); KLAMATH: Little Deschutes R, Crescent, 23-VIII-1954, Edmunds (PERC).

Baetis bicaudatus Dodds

Previous data.—Allen (1955): BENTON (Corvallis), CLACKAMUS (Zigzag R), JEFFERSON (Metolius R), WALLOWA (Lostine Valley, Wallowa R); Anderson and Lehmkuhl (1968): BENTON (Oak Cr); Lehmkuhl (1969): JEFFERSON (Metolius R); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION; Parson et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—BAKER: Powder R, Hwy 7, 6 mi S Baker, 27-II-1984, Baumann & Nelson, and Spring Cr, 14-IV-1984, Fiala (BYU); BENTON: Fish Hatchery Trap, North Fork Alsea R, 18-IV-1970, Evans (PERC), and Parker Cr, Mary's Pk, 6-VII-1966, Beda, and Star Cr, 15 mi SW Corvallis, 26-IV-1963, Anderson, and Woods Cr, Corvallis, 24-V-1947, Hughes, A (OSU); CLACKAMAS: Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen (PERC), and Winslow Cr, 25-VI-2003 (EPA); DESCHUTES: Tumalo St Prk, 25-VI-1954, Edmunds (PERC); DOUGLAS: Black Rock Fork, 13-VII-1999 (ODEQ), and Steamboat Cr, 7-V-1982, Baumann & Cox (BYU); GRANT: North Reynolds Cr, 17-VIII-2000, and North Trail Cr, 12-IX-2000, and Strawberry Cr trib, 19-VII-2001 (EPA); HARNEY: Blitzen R, French Glen, 13-IX-1984, Fiala (BYU); HOOD RIVER: Cabin Cr, 5-V-1987, Wisseman, and White R, Mt Hood, 27-VIII-1954, Edmunds (PERC); JEFFERSON: Clear Cr, Sherman Camp, 23-VIII-1954, and Spring Cr, Sherman Camp, 23-VIII-1954, Edmunds (PERC); LANE: Bear Cr, 21-VIII-2000 (EPA), and Bob Cr, 8-VII-1998 (ODEQ), and Grasshopper Cr, 14-VI-1982, and Quartz Cr, 22-VII-1982, Courtney, A (OSU); MORROW: Willow Cr, Ione, 10-V-2000, A,L (FLBS); MULTNOMAH: Sandy R, 27-I-1989, Fiala, A, and Wahkenna Spr, 28-VI-1985, Baumann et al. (BYU); POLK: Boulder Cr, 26-VIII-1998 (ODEQ); UNION: Goose Cr, Forshey Rd, 20-V-1977, Jorgensen (BYU), and Gordon Cr, 2 mi NW Elgin, 12-VI-1974, Anderson (OSU), and Grand Ronde R trib, Hwy 82, 31-V-1970, Tew & Evans (PERC); UMATILLA: South Fork Walla Walla R, 21-VI-2005 (BLAB); WALLOWA: Wallowa Lale St Prk, 30-V-1970, Tew & Evans (PERC); WASCO: Cedar Cr, 8-VII-2002 (EPA); WHEELER: Milk Cr, 7-VIII-2000 (EPA), and Rock Cr, E Mitchell, Hwy 26, 31-V-1970, Tew & Evans (PERC).

Baetis flavistriga McDunnough

Previous data.—Edmunds and Allen (1957) as *B. caurinus* Edmunds and Allen: LINCOLN (Alsea R).

New data.—BENTON: Alder Cr Falls, Mary's Pk Rd, 23-VII-2002, and Parker Cr Falls, Mary's Pk Rd, 23-VII-2002, Meyer, and Oak Cr, Corvallis, 26-VIII-1954, Edmunds (PERC); CLATSOP: 2 mi E Elsie, Gronnel Rd, 15-VI-1963, Jewett, A (PERC, OSU); LANE: Siuslaw R, 28-V-2003 (EPA); LINN: Muddy Cr, Peoria, 27-VII-1994 (USGS).

Baetis notos Allen & Murvosh

New data.—DOUGLAS: Umpqua R, Milo, 24-VIII-1954, Edmunds (PERC), and Williams Cr, 19-IX-2002 (EPA); GRANT: Middle Fork John Day R, 16-VII-2001 (EPA); LANE: Coast Fork Willamette R, 27-VI-2002, and Siuslaw R, 28-V-2003 (EPA), and Row R, 25-VII-1957, and Willamette R, Walker, 26-VI-1957 (PERC); MARION: Drift Cr, 2-VIII-2001 (EPA); MULTNOMAH: Sandy R, 25-VII-2002 (EPA); UMATILLA: Camas Cr, 16-VII-2002 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Baetis tricaudatus Dodds

Previous data.—Allen (1955) as *B. intermedius* Dodds: LINN (Colorado Lake), WALLOWA (Wallowa R); Anderson and Lehmkuhl (1968): BENTON (Oak Cr); Morihara and McCafferty (1979): BENTON (Berry Cr), DESCHUTES (Deschutes R), MULTNOMAH (Portland); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Anderson and Anderson (1995): WHEELER (Bridge Cr).

New data.—BAKER: Dixie Cr, 15-VIII-2000, and Sawmill Cr, 11-VII-2001 (EPA), and South Fork Dixie Cr, 18-VII-2002 (EPA), and South Fork Burnt R, 2 mi W Unity, 20-VIII-1954, Edmunds (PERC), and Spring Cr, 14-IV-1984, Fiala (BYU), and Wetmore Rec Area, Hwy 26, NW Unity, 29-VIII-1968, Wold & Wold (OSU); BENTON: 60th St, Corvallis, 31-III-1999, Anderson, and Alder Cr Falls, Mary's Peak Rd, 23-VII-2002, and Parker Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer (PERC), and Phillips Cr, 15 mi SW Alsea, 22-V-1976, Anderson, A (OSU); CLACKAMAS: Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen, and Canyon Cr, Colton, 26-VIII-1954, Edmunds (PERC), and Pudding R, 30-V-2003, and Winslow Cr, 25-VI-2003 (EPA); CLATSOP: Gronnel Rd, 2 mi E Elsie, 9-VII-1967, Jewett, and Necanicum R, 23-IV-1966 (OSU), and McClure Cr, 2-VII-2001 (EPA); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Buck Cr, 31-VIII-1998, and Camas Cr, Camas Cr Rd, 29-VII-1993 (ODEQ), and Mink Cr, 1-VIII-2000, and Upper Land Cr, 16-IX-2003, and Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: Paulina Cr, East Fork Rd, 18-VI-1954, Edmunds (PERC); CURRY: 1.5 mi N Arizona Beach, Hwy 101, 16-IV-1967, Evans, and Kelsy Cr Camp, Rogue R, 28-V-2002, Reeves (PERC), and Butler Cr, 12-IX-1995, (ODEQ), and Chetco R, Loeb St Prk, 15-VI-1963 (OSU); DESCHUTES: Meadow Lake Campground, 5 mi SW Bend, 17-VI-1967, Lehmkuhl, and Sparks Lake, Century Dr, 31-VIII-1968, Wold & Wold, and Upper Deschutes R, 30 mi SW Bend, 31-VIII-1977, Anderson (OSU), and Three Cr, 25-VII-2001 (EPA); DOUGLAS: Cabin Cr, 27-VII-1995, and Calapooya Cr, 8-VII-1998 (ODEQ), and Rough Cr, 15-VII-2003, and Umpqua R, 30-VIII-2001, and West Fork Smith R, 20-VIII-

2002, and Williams Cr, 19-IX-2002 (EPA), and Days Cr, 9-VI-1975, and South Umpqua Falls, 20 mi NE Tiller, 9-VI-1975, Anderson, and Shadow Cr, 30-IV-1976, Stansbury (OSU); GILLIAM: John Day R, 21-VI-2003, and Long Rock Cr, 9-VII-2002, and Thirtymile Cr, 7-VIII-2000 (EPA); GRANT: Baldy Cr, 30-VII-2001, and Beeman Cr, 23-VII-2002, and Big Cr, 24-VII-2002, and Black Canyon Cr, 30-VII-2003, and Bologna Cr, 15-VII-2003, and Buck Cr, 8-VIII-2000, and Bull Run Cr, 17-VII-2002, and Clear Cr, 14-VIII-2000, and Cottonwood Cr, 8-VIII-2000, and Deer Cr, 24-VII-2001, and Dry Cabin Cr, 16-VII-2002, and East Fork Meadow Br Cr, 2-VIII-2000, and Elk Cr, 18-VII-2001, and Flat Cr, 12-IX-2000, and Fox Cr, 17-VII-2001, and Grasshopper Cr, 16-VIII-2000, and Graves Cr, 10-VII-2001, and Indian Cr, 31-VII-2000, and Jackass Cr, 22-VII-2003, and John Day R, 10-VI-2003, and Martin Cr, 16-VII-2002, and Middle Fork John Day R, 25-VIII-2003, and Murderers Cr, 21-VII-2003, and North Reynolds Cr, 17-VIII-2000, and North Trail Cr, 12-IX-2000, and North Fork Deer Cr, 14-VIII-2000, and North Fork John Day R, 26-VI-2002, and North Fork Wind Cr, 31-VII-2002, and Olive Cr, 24-VII-2002, and Onion Cr, 31-VII-2001, and Oriental Cr, 25-VII-2002, and Pine Cr, 24-VII-2001, and Riley Cr, 18-VII-2001, and Second Cr, 19-VII-2001, and Slide Cr, 23-VII-2002, and South Fork John Day R, 30-VII-2002, and South Fork Murderers Cr, 17-VII-2002, and Strawberry Cr, 18-VII-2001, and Sunshine Cr, 17-VII-2001, and Vincent Cr, 17-VII-2001, and Wildcat Cr, 29-VII-2003 (EPA), and Camp Cr, 20-VIII-1954, and Canyon Cr, John Day, 21-VIII-1954, and Silvies R, 21-VIII-1954, Edmunds, and Oliver Cr, 7 mi S Dayville, 7-VI-1984, Scacia, A (PERC); HARNEY: Bridge Cr, 25-VIII-1999 (ODEQ), and Fish Cr, 12-VIII-2003 (EPA), and Middle Fork Malheur R, Hwy 20, 25-VI-1954, Edmunds (PERC), and Roaring Spr, 11 mi SW French Glen, VII-1977, Anderson (OSU); HOOD RIVER: Cabin Cr, 5-V-1987, Wisseman, and East Fork Hood R, Mt Hood, 27-VIII-1954, and Hood R, Hood River, 27-VIII-1954, and White R, Mt Hood, 27-VIII-1954, Edmunds, and Polallie Cr, Hwy 35, Mt Hood, 31-VIII-1958, Edmunds & Allen (PERC); JACKSON: Evans Cr, 10-IX-2003 (EPA), and Jenny Cr, Hwy 66, Pinehurst, 15-IV-1967, Evans, and Rogue R, McLeod, 24-VIII-1954, Edmunds (PERC), and Keene Cr, Rt 66, 15 mi E Ashland, 10-VI-1975, Anderson (OSU); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA), and Brush Cr, 24-IX-1998 (ODEQ), and Deschutes R, 13 mi NW Madras, 30-VIII-1958, Edmunds & Allen, and Lake Cr, 20-VI-1954, and Spring Cr, 23-VIII-1954, Edmunds, and Ochuco Summit, 23-VI-1984, (PERC), and Metoleus R, Camp Sherman, 20-IX-1966, Lemkuhl (OSU); JOSEPHINE: Rogue R, 18-IX-2000 (EPA); KLAMATH: Fishhole Cr, 17-IX-2002 (EPA), and Little Deschutes R, Crescent, 23-VIII-1954, Edmunds, and Wood R, Fort Klamath, 10-V-1996, Engel (PERC), and Lost R Ranch, Olene, 29-VII-1965, Anderson, A (OSU); LAKE: West Fork Silver Cr, 15-VIII-2000 (EPA); LANE: Armitage Prk, VII-1998, and Bellinger's Landing, III-2000, and Harvest Ln, VII-1998, and Hendricks Br, III-2000, and McKenzie R, 1-IX-2001, and Mohawk R conf, VII-1998, and Walterville Div Canal, IX-2001, Goldhammer (BARS), and Bear Cr, 21-VIII-2000, and Coast Fork Willamette R, 27-VI-2002, and Culp Cr, 23-VIII-2001, and Goodman Cr, 8-VII-2003, and Siuslaw R, 28-V-2003 (EPA), and Brice Cr, 16-VIII-1999 (ODEQ), and Cape Cr, Sea Lion Pt, 25-VIII-1954, and Rock Cr, Heceta Head Lighthouse, 25-VIII-1954, and Cummins Cr, Neptune SP, 25-VIII-1954, Edmunds (PERC), and Odell Cr, 3-VIII-1957, and Willamette R, Walker, 25-VI-1957 (PERC), and Ferguson Cr, Ferguson Rd, 25-VII-1994 (USGS),

and Grasshopper Cr, 14-VI-1982, Courtney, and Swamp Cr, 4.5 mi W Blachly, 5-IV-1976, Long (OSU); LINCOLN: Brush Cr, 19-VIII-1994 (ODEQ), and Flynn Cr, 10 mi S Toledo, 13-V-1977, Anderson (OSU); LINN: Muddy Cr, Peoria, 27-VII-1994 (USGS), and Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA), and Willamette R, XII-2000, Goldhammer (BARS); MALHEUR: Indian Cr, Jordan Valley, 20-VI-1984, Wisseman, and Malheur R, 5 mi E Harper, 25-VI-1954, Edmunds, and Owyhee Canyon, 29-III-1953, Lauderdale (PERC); MARION: Drift Cr, 2-VIII-2001, and Tincup Cr, 1-VIII-2001 (EPA), and Little Abiqua Cr, Scotts Mills, 4-VIII-1998, and Zollner Cr, Mt Angel, 11-VIII-1997 (USGS); MORROW: Alder Cr, 10-VII-2002, and Ditch Cr, 16-VII-2002, and Hinton Cr, 12-VII-2001, and Johnson Cr, 12-VII-2001, and Rock Cr, 23-VII-2001 (EPA), and Butcher Bill Cr, 6-V-2000, and Willow Cr, Ione, 10-V-2000, Newell (FLBS), and Columbia R, Boardman, 28-VIII-1954, Edmunds (PERC); MULTNOMAH: Beaver Cr, Troutdale, 8-VIII-1994 (USGS), and Bull Run R, 7-IX-1999 (ODEQ); POLK: Boulder Cr, 26-VIII-1998 (ODEQ), and Mill Cr, 23-VI-2003 (EPA); SHERMAN: Deschutes R, 31-V-2002, and John Day R, 20-VI-2003 (EPA); TILLAMOOK: Harliss Cr, 6-IX-2001, and Nestucca R trib, 5-IX-2002 (EPA); UMATILLA: Cable Cr, 1-VIII-2001, and Camas Cr, 16-VII-2002, and Hideaway Cr, 9-VIII-2000, and Rush Cr, 11-VII-2001 (EPA), and South Fork Walla Walla R, 10-IX-2000, and Umatilla R, Pendleton, 28-II-1998, Newell (FLBS); UNION: 4.5 mi E LaGrande, Rt 30, 29-V-1970, Tew & Evans (PERC), and 15 mi NW Elgin, 28-VIII-1968, Wold & Wold (OSU), and East Fork Eagle Cr, 13-IX-2002 (EPA); WALLOWA: Broady Cr, 3-VIII-2000, and North Minah R, 10-IX-2002 (EPA), and Gumboot Cr, 16-VII-1973, Anderson (OSU), and Lostine R, 18-VIII-1952, Edmunds (PERC); WASCO: Bakeoven Cr, 15-VIII-2000, and Barlow Cr, 9-VII-2001, and Beaver Cr, 14-IX-2000, and Cedar Cr, 8-VII-2002, and Deschutes R, 3-VI-2003, and Frog Cr trib, 14-VIII-2000, and Gate Cr, 10-IX-2001, and John Day R, 18-VI-2003, and Tenmile Cr, 15-VIII-2000 (EPA), and Clear Cr, Hwy 26, 30-VIII-1958, Edmunds & Allen (PERC); WASHINGTON: Fanno Cr, Durham, 1-VIII-1995, and Gales Cr, Glenwood, 11-VIII-1995 (USGS); WHEELER: Brown Cr, 24-VII-2001, and Butte Cr, 30-VII-2002, and Horseshoe Cr, 9-VII-2002, and John Day R, 17-VII-2002, and Lake Cr, 9-VII-2002, and Milk Cr, 7-VIII-2000, and Nelson Cr, 1-VIII-2002, and Row Cr, 9-VIII-2000, and Straw Fk, 25-VII-2001 (EPA), and Rock Cr, E Mitchell, Hwy 26, 31-V-1970, Tew & Evans, A (PERC); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Baetodes bibranchius McCafferty and Provonsha

Previous data.—Lester et al. (2002): MALHEUR (Snake R).

Callibaetis ferrugineus (Walsh)

Previous data.—Traver (1935a) as *C. hageni* Eaton: CLATSOP (Cannon Beach), JACKSON (Gold Hill), KLAMATH (Klamath Falls), MULTNOMAH (Portland); Allen (1955) as *C. carolus* Traver and *C. fuscus* Dodds: BAKER (Anthony L), BENTON (Arboretum Pond, Coffin Butte, Corvallis, Marys Pk, Monroe, Oak Cr), CURRY (Winchuck R), KLAMATH (Little Deschutes R), LANE (Scott L), LINN (Santiam R).

New data.—BENTON: Crescent Valley, 8-IV-1970, VonCannon, and Muddy Cr, 9-IV-1931, Rittenour, A (PERC), and Finley Wildlife Refuge, 10 mi S Corvallis, 23-IV-1975, Linn, A (OSU); CLACKAMAS: Trillium Lake, 7-VII-1997, Fitzgerald

(CSU); CLATSOP: Gronnel Cr, 2 mi E Elsie, 25-IV-1965, Jewett, A, and Quartz Cr, Elsie, 18-V-1968, A (OSU); COLUMBIA: Vernonia, 9-V-1936 (INHS); COOS: New Pond, 7-V-2005 (BLAB); DESCHUTES: Crane Prairie Res, 31-VIII-1968, Wold & Wold, A, and Wickiup Dam, 13-VII-1948, Jewett, A (OSU), and Redmond, 28-VI-1939 (INHS), and Tumolo Res, 23-VI-1954, Edmunds & Allen, A (PERC); DOUGLAS: Whistler's Bend, North Umpqua R, 23-III-1963, A (OSU); GRANT Mt Vernon, 11-VI-1991, PMV, A (PERC); Pine Cr, 10 mi W Baker, 2-VI-1957, Malkin, S (CAS); HARNEY: Malheur Lake, 29-V-1957, Malkin, S (CAS); HOOD RIVER: Lost Lake, 12-VII-1985, Edmunds, A (PERC); JEFFERSON: Sherman Camp pond, 23-VI-1954, Edmunds (PERC); KLAMATH: Merrill, 5 mi E Klamath Falls, 30-VIII-1977, Anderson, A/L (OSU), and YMCA Camp, Medford, 22-VI-1961, A (PERC); LAKE: Schmidt Farm, S Summer Lake, 3-VI-1967, Evans, and Sycan Marsh, 21-VI-1999, Fields (PERC); LANE: Grasshopper Cr, 2-VII-1982, A, and Quartz Cr, 31-V-1983, Courtney, A, and Torrey Lake, 15-IX-1976, Sedell & Cummins (OSU); LINN: 3 mi E Lebanon, Hwy 20, 2-VI-1970, VonCannon (PERC), and Indian Prairie Lake, 10 mi SE Scio, 1-VIII-1975, Linn, A (OSU); MALHEUR: Cow Cr, 3 mi E Ironside, 20-VIII-1954, and Little Deschutes R, Harper, 23-VIII-1954, Edmunds & Allen, A (PERC); MULTNOMAH: Wahkenna Cr, VII-1989, A (PERC); TILLAMOOK: Rockaway, 5-IX-1957, Jewett, A (CAS); WALLOWA: Joseph, 24-VII-1970, Evans, A (PERC); WASHINGTON: Hillsboro, 24-IV-1936 (INHS).

Callibaetis fluctuans (Walsh)

Previous data.—Allen (1955) as *C. traversae* Upholt: MORROW (Boardman).

New data.—BENTON: Corvallis, IX-1977, Dudley, A,L (OSU); JACKSON: Applegate R, 8 mi W Ruch, 29-VIII-1977, Anderson (OSU); KLAMATH: Klamath Falls, 25-VIII-1962, Denning, A (PERC); MALHEUR: Malheur R, Vale, 20-VIII-1954, Edmunds, and Snake R, Nyssa, 29-VIII-1958, Edmunds & Allen, A (PERC); WALLOWA: Horseshoe Lake, 10-VII-1968, Evans, A (PERC); WASCO: The Dalles, 23-VI-1982, Henshaw (PERC).

Callibaetis pictus (Eaton)

Previous data.—Allen (1955) as *C. pacificus* Seemann: BENTON (Corvallis), GRANT (Mt Vernon), WHEELER (Richmond).

New data.—DOUGLAS: 5 mi S Myrtle Cr, S Umpqua R, 10-VI-1976, Stansbury, A,L, and Quines Cr, 5-IV-1968, Jewett, A, and Roseburg, 30-IX-1975, Stansbury, A (OSU); LANE: Fox Mill Rd, Hwy 58, 13-V-1968, Evans, A (PERC).

Camelobaetidius mexicanus (Traver and Edmunds)

Previous data.—Lester et al. (2002): BAKER (Snake R).

Camelobaetidius warreni (Traver and Edmunds)

Previous data.—Traver and Edmunds (1968): MALHEUR (Malheur R).

New data.—MALHEUR: Snake R, 8 mi NW Parma Idaho, 29-VIII-1958, Edmunds & Allen (PERC); WASCO John Day R, 11-IX-2000 (EPA).

Centroptilum album McDunnough

New data.—BENTON: Corvallis, 25-IV-1997, Anderson (PERC); CROOK: Big Summit Prairie, 8-VI-1958, Jewett, A (CAS); DOUGLAS: North Fork Umpqua

R, Little Rock Cr, 10-VI-1999 (PERC); JACKSON: Little Applegate R, 10-VII-1998, and South Fork Deer Cr, 9-IX-1998, and Sucker Cr, 10-X-1998 (PERC); JOSEPHINE: Little Applegate R, 10-VII-1998, and South Fork Deer Cr, 9-IX-1998, and Sucker Cr, 10-X-1998 (PERC); KLAMATH: Lost R, 9-VII-1999 (PERC); LAKE: South Fork Long Cr, 14-VII-1999, and Sycan R, 28-VII-1999, Fields (PERC); LANE: Cummins Cr, Neptune SP, 25-VIII-1954, Edmunds (PERC); LINCOLN: Flynn Cr, 10 mi S Toledo, 18-VIII-1982, Anderson (PERC).

***Centroptilum asperatum* Traver**

Previous data.—Edmunds (1954) as *C. oreophilum* Edmunds: HARNEY (Home Cr); Allen (1955) as *C. elsa* Traver: BENTON (Corvallis, Hamilton Slough); Anderson and Hanson (1987) as *C. elsa* Traver: BENTON (Berry Cr); Lamberti et al. (1987) as *C. elsa* Traver: BENTON (Oak Cr); Dietrich and Anderson (2000) as *C. elsa* Traver: BENTON (McDonald-Dunn For).

New data.—BENTON: Crescent Valley, 20-V-1970, Hoffman (PERC), and N Albany, 16-V-1975, Linn (OSU); KLAMATH: 20 mi W Keno, Rt 66, 10-VI-1975, Anderson, A.L (OSU); LAKE: Shake Cr, 4-VI-1999, Fields (PERC).

***Centroptilum bifurcatum* McDunnough**

Previous data.—Wiersema and McCafferty (2004): BENTON (Richland).

New data.—BENTON: Long Tom Canal, 10 mi S Corvallis, 21-V-1975, Linn (OSU); DESCHUTES: Deschutes R, Cline Falls St Prk, 18-VI-1954, Edmunds (PERC); MALHEUR: Snake R, 8 mi NW Parma, Idaho, 29-VIII-1958, Edmunds & Allen (PERC).

***Centroptilum conturbatum* McDunnough**

New data.—BENTON: 60th St, Corvallis, 1/14-V-1999, Anderson, and 9 mi NW Corvallis, 16-III-1970, Tew, A (PERC); DOUGLAS: 5 mi S Myrtle Cr, S Umpqua R, 7-VI-1976, Stansbury (OSU); MALHEUR: Malheur R, 5 mi E Harper, 25-VI-1954, Edmunds (PERC); POLK: Luckiamute R, Ainlie, 23-VI-1968, Lehmkuhl, A.L (PERC); WASCO: 12 mi S Dufur, 5-V-1938, Gray & Schuh, A (PERC).

***Cloeodes excogitatus* Waltz and McCafferty**

Previous data.—McCafferty et al. (2002): JOSEPHINE (South Fork Rough and Ready Cr).

***Dipheter hageni* (Eaton)**

Previous data.—Allen (1955) as *Baetis parvus* Dodds: CURRY (Winchuck R, Humbug Mtn), DESCHUTES (Deschutes R), JEFFERSON (Metolius R); Lehmkuhl (1969) as *B. parvus* Dodds: BENTON (Oak Cr), JEFFERSON (Metolius R); LaGasa (1978) as *B. parvus* Dodds: UNION (nr LaGrande); Anderson and Hanson (1987) as *B. parvus* Dodds: BENTON (Berry Cr); Porter and Meehan (1987): LANE; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For) Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER Dixie Cr, 15-VIII-2000, and Sawmill Cr, 11-VII-2001, and South Fork Dixie Cr, 18-VII-2002 (EPA), and Fish Cr, Steens, 20-VII-1969, Jewett, A (OSU), and South Fork Burnt R, 2 mi W Unity, 20-VIII-1954, Edmunds

(PERC); BENTON: Mary's Peak, 6-V-1967, Evans (PERC), and Willamette R, Snag Boat Bend, V-2004, Goldhammer (BARS); CLACKAMAS: Eagle Cr, 13-viii-1998 (ODEQ), and Winslow Cr, 25-VI-2003 (EPA); CLATSOP: McClure Cr, 2-VII-2001 (EPA), and Gronnel Rd, 2 mi E Elsie, 9-VII-1967, Jewett (OSU); COOS: East Fork Millicomma, 11-VIII-1998 (ODEQ), and Mink Cr, 1-VIII-2000, and Upper Land Cr, 16-IX-2003 (EPA); CROOK: Dry Paulina Cr, 23-VII-1997 (ODEQ); CURRY: Rogue R, 2-VIII-2002 (EPA); DESCHUTES: Three Cr, 25-VII-2001 (EPA), and Tumalo SP, 25-VI-1954, Edmunds (PERC); DOUGLAS: 5 mi S Myrtle Cr, S Umpqua R, 7-VI-1976, Stansbury, A (OSU); Dumont Cr, 10-VIII-1999, and East Fork Cow Cr, 2-IX-1998 (ODEQ), and Rough Cr, 15-VII-2003, and West Fork Smith R, 20-VIII-2002, and Williams Cr, 19-IX-2002 (EPA), and Steamboat Cr, 7-V-1982, Baumann & Cox (BYU); GILLIAM: Long Rock Cr, 9-VII-2002, and Thirtymile Cr, 7-VIII-2000 (EPA); GRANT: Black Canyon Cr, 30-VII-2003, and Buck Cr, 8-VIII-2000, and Bull Run Cr, 17-VII-2002, and Camp Cr, 7-VIII-2003, and Clear Cr, 14-VIII-2000, and Cottonwood Cr, 8-VIII-2000, and Deer Cr, 24-VII-2001, and East Fork Meadow Brook Cr, 2-VIII-2000, and Elk Cr, 18-VII-2001, and Ennis Cr, 7-VIII-2000, and Fox Cr, 17-VII-2001, and Grasshopper Cr, 16-VIII-2000, and Graves Cr, 10-VII-2001, and Indian Cr, 31-VII-2000, and Jackass Cr, 22-VII-2003, and Johnny Cr, 10-IX-2002, and Middle Fork John Day R, 25-VIII-2003, and Murderers Cr, 21-VII-2003, and North Trail Cr, 12-IX-2000, and North Fork John Day R, 26-VI-2002, and North Fork Wind Cr, 31-VII-2002, and Olive Cr, 24-VII-2002, and Oriental Cr, 25-VII-2002, and Pine Cr, 24-VII-2001, and Riley Cr, 18-VII-2001, and South Fork Murderers Cr, 17-VII-2002, and Slide Cr, 23-VII-2002, and Sponge Cr, 1-VIII-2000, and Strawberry Cr, 18-VII-2001, and Summit Cr, 16-VIII-2000, and Vincent Cr, 17-VII-2001, and Wildcat Cr, 29-VII-2003 (EPA), and Canyon Cr, John Day, 21-VIII-1954, Edmunds (PERC); HARNEY: Big Trout Cr, 24-VIII-2000 (EPA); HOOD RIVER: Eagle Cr, 8-IX-1999 (ODEQ); JACKSON: Evans Cr, 10-IX-2003 (EPA); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA); KLAMATH: Fishhole Cr, 17-IX-2002 (EPA), and Little Deschutes R, Crescent, 23-VIII-1954, Edmunds (PERC); LAKE: Muddy Cr, 22-VIII-2000 (EPA), and Small's Ditch, 16-VII-1999, Fields (PERC); LANE: Armitage Prk, VII-1998, and Bellinger's Landing, III-2000, and Harvest Ln, VII-1998, and Hendricks Br, III-2000, and McKenzie R, 1-IX-2001, and Mohawk R conf, VII-1998, and WALTERVILLE Div Canal, VII-1998, and Willamette R, III-1999, Goldhammer (BARS), and Cape Cr, Sea Lion Pt, 25-VIII-1954, and Cummins Cr, Neptune St Prk, 25-VIII-1954, Edmunds, and Mack Cr, 26-VI-1996, Anderson, A (PERC), and Coast Fork Willamette R, 30-VII-2002, and Culp Cr, 23-VIII-2001, and Goodman Cr, 8-VII-2003, and Siuslaw R, 19-VIII-2002 (EPA), and Lookout Cr, 9-IX-1971, Grafius, A (OSU); LINCOLN: Drift Cr, 11-IX-1996 (ODEQ), and Flynn Cr, 10 mi S Toledo, 13-V-1977, Anderson (OSU); LINN: Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA), and Willamette R, Cartney Pk, IV-2002, Goldhammer (BARS); MARION: Drift Cr, 2-VIII-2001 (EPA), and Silver Falls St Prk, 23-VI-1974, Arnaud, A (CAS); MORROW Ditch Cr, 16-VII-2002, and Johnson Cr, 12-VII-2001, and Potamus Cr, 24-VII-2002, and Rock Cr, 23-VII-2001 (EPA); POLK: Mill Cr, 23-VI-2003 (EPA); TILLAMOOK: East Foley Cr, 30-IX-1992 (ODEQ), and Harliss Cr, 6-IX-2001, and Nestucca R trib, 5-IX-2002 (EPA); UMATILLA: 27 km E Ukiah, Hwy 244, 24-VII-1974, Arnaud, A (CAS), and Cable Cr, 1-VIII-2001, and Camas Cr, 16-VII-2002, and Fivemile Cr, 6-VIII-2003, and Hideaway

Cr, 9-VIII-2000, and Rush Cr, 11-VII-2001 (EPA); WALLOWA: Dry Cr, 10-VII-2001 (EPA), and Gumboot Cr, 16-VII-1973, Anderson, (OSU), and Wallowa R, Wallowa Lake, VIII-1952, Edmunds, A (PERC); WASCO: Bakeoven Cr, 15-VIII-2000, and Barlow Cr, 9-VII-2001, and Beaver Cr, 14-IX-2000, and Gate Cr, 10-IX-2001, and Tenmile Cr, 15-VIII-2000 (EPA); WHEELER: Bridge Cr, 11-IX-2002, and Brown Cr, 24-VII-2001, and Butte Cr, 30-VII-2002, and Horseshoe Cr, 9-VII-2002, and John Day R, 17-VII-2002, and Lake Cr, 9-VII-2002, and Rock Cr, 31-VII-2002, and Row Cr, 9-VIII-2000, and Straw Fork, 25-VII-2001, and Upper West Fork John Day R, 21-VIII-1954, Edmunds (PERC); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Fallceon quilleri (Dodds)

New data.—BENTON: Soap Cr, Corvallis, 27-VII-1994 (USGS); CLACKAMAS: Pudding R, 30-V-2003 (EPA); DESCHUTES: Deschutes R, at lower bridge, 26-IX-2005 (BLAB); GILLIAM: John Day R, 21-VI-2003, and Long Rock Cr, 9-VII-2002 (EPA); GRANT: Beeman Cr, 23-VII-2002, and Cottonwood Cr, 8-VIII-2000 (EPA); LANE: Ferguson Cr, Ferguson Rd, 25-VII-1994 (USGS); LINN: Muddy Cr, Peoria, 27-VII-1994 (USGS); MALHEUR: Owyhee R, Three Forks, 27-VI-2001 (USGS); MARION: Little Abiqua Cr, Scotts Mills, 14-VIII-1997, and Pudding R, Kaufman Rd, 28-VII-1994 (USGS); SHERMAN: John Day R, 20-VI-2003 (EPA); WASCO: John Day R, 11-IX-2000 (EPA); WHEELER: Bridge Cr, 24-VII-2001, and John Day R, 23-VII-2002 (EPA).

Heterocloeon anoka (Daggy)

Previous data.—Jensen (1969) as *Pseudocloeon edmundsi* Jensen: MALHEUR (Snake R); McCafferty and Meyer (2007): DESCHUTES (Deschutes R), GRANT (Middle Fork John Day R).

Paracloeodes minutus (Daggy)

New data.—HARNEY: Fish Cr, 12-VIII-2003 (EPA).

Proclaeon pennulatum (Eaton)

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 17-VI-1967, Jewett, A (OSU); LAKE: Sycan Marsh, 21-VII-1999, Fields (PERC).

Proclaeon venosum (Traver)

Previous data.—Allen (1955): DOUGLAS (South Umpqua R).

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 25-VI-1966, Jewett, A (OSU); DOUGLAS: Warm Springs, 12-V-1968, Jewett, A (OSU).

Pseudocloeon apache (McCafferty and Waltz)

New data.—BENTON: Rock Cr, 25-VII-1981, Courtney, and Soap Cr, 31-X-2004, Girth (PERC); LANE: Wildcat Cr, 16-V-1982, Courtney (PERC); LINCOLN: Flynn Cr, 10 mi S Toledo, 18-VIII-1982, and Horse Cr, 23-IV-1982, Courtney (PERC).

Pseudocloeon propinquum (Walsh)

Previous data.—McCafferty and Meyer (2007): BENTON (Long Tom Canal), DOUGLAS (Wind Cr), KLAMATH (Sprague R), LAKE (Coyote Cr).

New data.—LAKE: South Fork Long Cr, 29-VII-1999 (PERC).

Caenidae

Caenis amica Hagen

Previous data.—Allen (1955) as *C. simulans* McDunnough: KLAMATH (Klamath Falls).

New data.—BENTON: 1.3 mi S Independent School, 2-V-1970, Rowen (PERC); DESCHUTES: Crane Prairie Res, 15-VIII-1997, Moody, A (PERC); DOUGLAS: South Umpqua R, 1 mi SE Winston, 18-V-1985, Stansbury, A (PERC); MORROW: Heppner, 18-VI-1991, Zack, A (WSU).

Caenis latipennis Banks

Previous data.—Allen (1955): BENTON (S Corvallis); Provonsha (1990): DOUGLAS (Fish L), KLAMATH (Klamath Falls, Rogue R), LANE (Reersley Farm), POLK.

New data.—BENTON: Willamette R, Snag Boat Bend, VII-2001, Goldhammer (BARS); DESCHUTES: Miller Cr, 17-V-1970, Wilson (PERC); HARNEY: Fish Lake, 14-VIII-1958, Alexander, A (PERC); KLAMATH: Sycan R, 16-VIII-2000 (EPA); LANE: McKenzie R, Armitage Prk, V-2002, and Willamette R, III-1999, Goldhammer (BARS); LINN: 3.5 mi E Crabtree, 5-VII-1968, Evans, A (OSU), and Willamette R, Cartney Prk, IX-2001, Goldhammer (BARS); POLK: Mill Cr, 23-VI-2003 (EPA).

Caenis youngi Roemhild

New data.—COOS: New Pond, 7-V-2005 (BLAB); DESCHUTES: Crane Prairie Res, 14-VII-1997, Moody (PERC); LAKE: Sycan Marsh, 21-VI-1999, Fields (PERC); LANE: Wahanna Lake, 22-IX-1937, Ziesenhenne (INHS).

Ephemerellidae

Attenella delantala (Mayo)

Previous data.—Allen (1955) and Allen and Edmunds (1961b): BENTON (Corvallis, Greasy Cr, Mill Cr, Rock Cr, Yew Cr), LANE (McKenzie R), LINCOLN (Five Rivers area), MARION (Mill Cr); Hawkins (1984): LANE (Look-out Cr, McKenzie R); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—BENTON: Cheyenne Cr, 7-X-2003, and Lower Crooked Cr, 2-VI-2002, and North Fork Alsea R, 2-VI-2002, and Parker Cr, 29-IX-2003, and Rock Cr, 2-VI-2002, and Tobe Cr, 2-VI-2002, and Upper Crooked Cr, 2-VI-2002 (BLAB), and Greasy Cr, 10-V-1941, Mastin (OSU); CLACKAMAS: Molalla R, 5-VI-2001, and Salmon R, 26-VIII-1997, and Still Cr, 6-XI-2002 (BLAB); CLATSOP: Big Cr, Fish Hatchery, 29-VII-1996, and Big Horn Cr, 14-VII-1998 (ODEQ); COOS: Mink Cr, 1-VIII-2000, and Upper Rock Cr, 2-VIII-2000 (EPA); DESCHUTES: Deschutes R, at Culver, 22-VI-2006, and Squaw Cr, 28-V-2003 (BLAB); DOUGLAS: South Fork Cleghorn Cr, 10-VIII-2004 (BLAB), and West Fork Smith R, 20-VIII-2002 (EPA); JACKSON: Beaver Cr, 14-XI-2002, and Glade Cr, 17-X-2004 (BLAB), and Evans Cr, 10-IX-2003 (EPA); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA); LANE: Ferguson Cr, 17-IX-2002, and Grenshaw Cr, 29-VII-2004, and Jean's Cr, 16-IX-2004 (BLAB), and Lobster Cr, 22-VIII-2004 (BLAB), and Pinto Cr, 17-VIII-1995 (PERC); LINCOLN: Fall Cr, 8-VI-2002 (BLAB); MORROW: Alder Cr, 10-VII-2002 (EPA); MULTNOMAH: Sandy R, 3-X-2001 (BLAB); POLK: Mill Cr, 4-V-1940, Walwyn (PERC); TILLAMOOK: Nestucca R trib, 5-IX-2002 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Attenella margarita (Needham)

Previous data.—Allen (1955) and Allen and Edmunds (1961b): CLACKAMUS (Molalla R), GRANT (Canyon Cr, Silvies R), KLAMATH (Little Deschutes R), LANE; Hawkins (1985): LANE (McKenzie River Basin); Porter and Meehan (1987): UNION; Parsons et al. (1991): LANE (Andrews Exper For); LINN (Andrews Exper For).

New data.—BAKER Powder R, Hwy 7, 29-VIII-1968, Wold & Wold (OSU); BENTON: Willamette R, Sam Daws Bend, III-1999, Goldhammer (BARS); CLATSOP: Big Horn Cr, 14-VII-1998 (ODEQ); GRANT: Bull Run Cr, 17-VII-2002, and Middle Fork John Day R, 16-VII-2001, and Olive Cr, 24-VII-2002 (EPA); LANE: Harvest Ln, VII-1998, and Hendricks Br, III-2000, and Mohawk R confl, VII-1998, and WALTERVILLE Div Canal, VII-1998, Goldhammer (BARS), and Siuslaw R, 28-V-2003, and Willamette R, 25-VI-2002 (EPA); LINN: Willamette R, Sam Daws Bend, III-1999, Goldhammer (BARS); MARION: Willamette R, VI-1998, Goldhammer (BARS); MULTNOMAH: Sandy R, 25-VII-2002 (EPA); POLK: Willamette R, VI-1998, Goldhammer (BARS); TILLAMOOK: Nestucca R trib, 5-IX-2002 (EPA); UMATILLA: Camas Cr, 16-VII-2002 (EPA); WASCO: John Day R, 18-VI-2003 (EPA); WHEELER: Rock Cr, 31-VII-2002 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Attenella soquele (Day)

Previous data.—Allen and Edmunds (1961b): LANE (Willamette R).

New data.—CLACKAMAS: Salmon R, 22-VIII-2001 (BLAB); GRANT: Canyon Cr, 5 mi S Canyon City, 21-VIII-1954, Edmunds & Allen (PERC).

Caudatella edmundsi (Allen)

Previous data.—Allen (1959) and Allen and Edmunds (1961a): BENTON (Willamette R, Woods Cr), CLACKAMUS (Molalla R), DOUGLAS (South Umpqua R), LANE (Fall Cr, McKenzie R); Hawkins (1984, 1985): LANE (McKenzie R); Porter and Meehan (1987): LANE; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—CLACKAMAS: Salmon R, 22-VII-1985, Law (CSU); DOUGLAS: North Umpqua R, 25-X-1995 (PERC); GRANT: Baldy Cr, 30-VII-2001, and Clear Cr, 20-VII-2000 (EPA); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA); LINCOLN: Fall Cr, 5-IV-1940, Sieg (OSU); LINN: Santiam R, 8 mi N Albany, 26-VIII-1954, G Edmunds R. Allen (PERC).

Caudatella heterocaudata (McDunnough)

Previous data.—Allen (1955) and Allen and Edmunds (1961a): BENTON (South Fork Mary's R, Woods Cr), CLACKAMUS (Little Zigzag R, Still Cr), DOUGLAS (Umpqua R), HOOD RIVER (East Fork Hood R), JACKSON (Rogue R), WALLOWA (Lostine R); Hawkins (1984): LANE (Lookout Cr, McKenzie Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For). Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr).

New data.—BENTON: Willamette R, Willamette Prk, III-2001, Goldhammer (BARS); DOUGLAS: 7 mi NW Roseburg, 11-VII-1964, Vertrees, A, and Roseburg, 15-VI-1960, Ritcher, A (PERC), and Sutherlin, 28-V-1967, Jewett, A (OSU), and Rough Cr, 15-VII-2003 (EPA); GILLIAM: John Day R, 21-VI-2003 (EPA); GRANT: John Day R, 10-VI-2003 (EPA); HOOD RIVER: Hood River,

Parkdale, Hwy 35, 10-VII-1985, Edmunds, A (PERC); LANE: Harvest Ln, VII-2001, and McKenzie R, Armitage Prk, V-2002, Goldhammer (BARS), and Willamette R, 17-III-1998 (PERC); LINN: Willamette R, Harrisburg, III-2001, Goldhammer (BARS); MALHEUR: Owyhee R, Sand Springs, 15-V-1997 (PERC); MARION: Little Abiqua Cr, Scotts Mills, 3-VIII-1995 (USGS); UNION: Grande Ronde R trib, Hwy 82, 31-V-1970, Tew & Evans (PERC); WASCO: Deschutes R, 3-VI-2003 (EPA), and Lake Deschutes, 17-V-1997 (PERC); WASHINGTON: Clear Cr, 28-IX-1992 (ODEQ).

Caudatella hystrix (Traver)

Previous data.—Allen (1955) and Allen and Edmunds (1961a): BENTON (North Fork Alsea R, Woods Cr), WALLOWA (Lostine R); Allen and Edmunds (1961a) as *Ephemerella cascadia* Allen and Edmunds: CLACKAMUS (Still Cr, Government Camp), HOOD RIVER (South Fork Iron Cr), WASCO (Clear Cr); Hawkins (1982) as *cascadia* in part: LANE (McKenzie R basin); Hawkins (1984) as *C. cascadia* in part: LANE (Lookout Cr, Mack Cr); Carlson (1989): UNION (Summer Cr), WALLOWA (Bear Cr, Dear Cr, Tyee Cr); Parsons et al. (1991) as *C. cascadia* in part: LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Quartz Cr); Jacobus and McCafferty (2003a): CLACKAMAS (Still Cr), DOUGLAS (Jackson Cr), KLAMATH (Sun Cr), LINN (Sweetwater Cr).

New data.—BENTON: Parker Cr trib, Mary's Peak Rd, 26-VI-1985, Baumann et al. (BYU); CLACKAMAS: Clackamas R, 20-X-1994 (PERC); and Salmon R, 22-VIII-2001, and Still Cr, 6-XI-2002 (BLAB), and Zigzag R, Rhododendron, 8-III-1986, Zack (WSU); DESCHUTES: North Fork Roaring R, Deschutes, 17-IX-1991 (PERC), and Three Cr, 25-VII-2001 (EPA); DOUGLAS: Bulldog Cr, 19-VI-1998, and Donegan Cr, 27-IX-1990, Wisseman, and Clear Cr, 14-X-1995, and North Umpqua R, 10-X-1996, A, and Upper Emile Cr, 21-X-1997, and Warm Springs Cr, 2-XI-1994 (PERC), and Rough Cr, 15-VII-2003 (EPA); GRANT: Big Cr, 12-VII-2003, and North Fork Malheur R, 20-X-2003, and Reynolds Cr, 26-X-2003, and North Fork John Day R, 22-VI-2005 (BLAB), and Clear Cr, 15-VIII-2000, and Indian Cr, 31-VII-2000 (EPA); HOOD RIVER: Iron Cr, Hwy 35, 1-XI-1989 (PERC); JACKSON: East Fork Ashland Cr, 13-XI-2000, and McDonald Cr, 7-XI-2000 (PERC), and Glade Cr, 17-X-2004, and Little Applegate R, 10-XI-2002, and South Fork Little Butte Cr, 29-X-2002, and Yale Cr, 14-XI-2002 (BLAB); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA); JOSEPHINE: Brown's Gulch, 12-X-1993, and East Fork Ashland Cr, 13-XI-2000, and McDonald Cr, 7-XI-2000 (PERC); LANE: Bear Cr, 21-VIII-2000, and Goodman Cr, 8-VII-2003 (EPA), and Beaver Cr, 15-VIII-1995, and Ollalie Cr, 15-IX-1998 (PERC); LINN: Quartz Cr, 12-III-1980, Barton (OSU); MORROW: Willow Cr, 31-III-2000, Newell (FLBS); MULTNOMAH: Bull Run R, 16-IX-1996 (PERC), and Wahkeena Falls, 29-II-1984, Baumann & Nelson (BYU); POLK: Falls City, 29-IV-1953, Lattin (CAS); TILLAMOOK: Anderson Cr, IX-1997 (PERC); WALLOWA: Wallowa Lake, 30-V-1970, Tew & Evans (PERC); WASCO: Beaver Cr, 14-IX-2000, and Cedar Cr, 8-VII-2002 (EPA); WASHINGTON: Clear Cr, 30-VIII-1993 (ODEQ).

Caudatella jacobi (McDunnough)

Previous data.—Allen and Edmunds (1961a) as *Ephemerella orestes* Allen and Edmunds: CLACKAMUS (Little Zigzag R), HOOD RIVER (East Fork Hood R); Porter and Meehan (1987): LANE.

New data.—HOOD RIVER: Hood R, Parkdale, Hwy 35, 10-VII-1985, Edmunds, A (PERC); KLAMATH: Sun Cr, Crater Lake Natl Prk, 13-IX-1994 (PERC); MULTNOMAH: Wahkeena Cr, 1989 (PERC).

Drunella coloradensis (Dodds)

Previous data.—Allen (1955) and Allen and Edmunds (1962): BENTON (Rock Cr, nr Oak Cr, Woods Cr), CLACKAMUS (Zigzag R), COOS (Coos R), CURRY (Lobster Cr), DESCHUTES (Deschutes R, Fall R, nr Todd Lake), HOOD RIVER (East Fork Hood R, South Fork Mineral Cr, White R), JEFFERSON (Clear Cr Metolius R, Spring C, trib Metolius R), LINCOLN (Yaquina R, Nash Lake), WALLOWA (Lostine R, Wallowa R); Hawkins (1982): LANE (McKenzie River Basin); Hawkins (1984): LANE (Lookout Cr, Mack Cr, McKenzie R); Porter and Meehan (1987): LANE. Anderson and Anderson (1995): WHEELER (Bridge Cr); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr).

New data.—BAKER Baldy Cr, 16-VIII-2004, and Eagle Cr, 9-VIII-2004, and Elk Cr, 18-VIII-2004, and Fopian Cr, 10-VII-2004, and North Fork Pine Cr, 8-VIII-2004, and Pine Cr, 23-VII-2001 (BLAB); BENTON: Alder Cr Falls, Mary's Peak Rd, and Parker Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer (PERC), and Lobster Cr, 2-IV-1939 (OSU), and Lower Crooked Cr, 2-VI-2002, and North Fork Alea R, 2-VI-2002 (BLAB); CLACKAMAS: Bear Cr, 9-VII-1997, and Molalla R, 5-VI-2001, and Salmon R, 17-VI-2001 (BLAB), and Govt Camp, 23-VII-1946 (INHS), and Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen (PERC); CLATSOP: Bear Cr, 21-VIII-2001 (BLAB); COOS: Dude Cr, 17-VII-2001 (BLAB); CURRY: Hunter Cr, 6-IV-2004 (BLAB); DESCHUTES: Browns Cr, 10-IX-2001, and Jefferson Cr, 10-IX-2001, and Soda Cr, 1-IX-2002, and Squaw Cr, 3-IX-2002, and Tumalo Cr, 9-IX-2001 (BLAB), and Meadow Lale Campground, 5 mi SW Bend, 17-VI-1967, Lehmkuhl, and Sparks Lake trib, Century Dr, 31-VIII-1968, Wold & Wold (OSU); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC), and East Fork Poole Cr, 24-IX-1998 (ODEQ); GRANT: Big Cr, 12-VII-2003, and Call Cr, 27-VII-2004, and Canyon Cr, 7-VII-2004, and Crane Cr, 1-VIII-2001, and Dry Fork Clear Cr, 4-VII-2004, and John Day R, 28-VII-2004, and North Fork Malheur River, 14-VII-2003, and Reynolds Cr, 12-VII-2003, and Sheep Cr, 15-VII-2004, and South Fork Desolation Cr, 29-VI-2004, and Summit Cr, 9-VII-2004 (BLAB); HARNEY: Big Trout Cr, 14-VI-2004, and Blitzen R, 1-VII-2001, and Deep Cr, 19-VII-2004, and Donner R, 1-VII-2001, and East Fork Trout Cr, 25-VII-2004 (BLAB); HOOD RIVER: Polallie Cr, Hwy 35, Mt Hood, 31-VIII-1952, Edmunds & Allen (CAS); JACKSON: 1 mi W of Ruch, Hwy 238, 15-IV-1967, Evans, and Mt Ashland, 3-VII-1985, Wisseman (PERC), and East Fork Ashland Cr, 17-X-2002, and Glade Cr, 25-VII-2001 (BLAB), and Keene Cr, Rt 66, 15 mi E Ashland, 10-VI-1975, Anderson (OSU); JEFFERSON: First Cr, 9-VII-2001 (BLAB), and Metolius R, Camp Sherman, 23-VIII-1954, Edmunds & Allen (CAS); KLAMATH: Sand Cr, 29-VIII-2001 (BLAB), and South Fork Little Butte Cr, 26-VI-1994, Fitzgerald (CSU); LAKE: Calahan Cr, 4-X-2000 (BLAB); LANE: Deception Cr, 9-VII-2001, and North Fork Middle Fork Willamette R, 29-VIII-2001 (BLAB), and Deschutes R, 13-

VI-1976, Welsh (INHS); LINCOLN: Fall Cr, 8-VI-2002 (BLAB), and Fogarty Cr, 20-IV-1940, Glover (OSU); LINN: Quartzville Cr, 11-VI-2001, and Roaring R, 2-VII-2001, and Squaw Cr, 24-VII-2001 (BLAB); MARION: Elkhorn Cr, 10-VI-2001, and Little North Fork Santiam R, 10-VI-2001, and Tunnel Cr, 3-VII-2001 (BLAB); MULTNOMAH: Sandy R, 26-VI-2001 (BLAB); POLK: Mill Cr, 25-VI-2002 (BLAB); TILLAMOOK: Cook Cr, 22-VIII-2001 (BLAB); UMATILLA: Buck Cr, 31-VII-2001, and Mission Cr, 4-VII-2001 (BLAB); UNION: 4.5 mi S LaGrande, Rt 30, 29-V-1970, Tew & Evans (PERC), and Goose Cr, Forshey Rd, 20-V-1977, Jorgensen (BYU), and Hall Ranch, 2-VI-2001, and Sheep Cr, 12-VII-2004 (BLAB); WALLOWA: Grande Ronde R, 22-IV-1972, Nishimura (WSU), and Lostine R, 18-VIII-1952, Edmunds (CAS), and Milk Cr, 21-VII-2004, and North Fork Wenaha Cr, 22-VII-2004 (BLAB); WASCO: Clear Cr, Hwy 26, Mt Hood, 30-VIII-1958, Edmunds & Allen (CAS).

Drunella doddsii (Needham)

Previous data.—Allen (1955) and Allen and Edmunds (1962): BENTON (Corvallis, Greasy Cr, Muddy Cr, North Fork Alsea R, Oak Cr, Philomath, Rock Cr, Soap Cr, South Fork Alsea R, Woods Cr), CLACKAMUS (Sandy, Still Cr, Zigzag R), CURRY (Lobster Cr), GRANT (Canyon Cr), HOOD RIVER (East Fork Hood R, White R), JEFFERSON (Metolius R), LANE (Fall Cr), LINCOLN (Fogarty Cr), LINN (Calapooya R), POLK (Mill Cr), WALLOWA (Lostine R, Wallowa R); LaGasa (1978): UNION (nr LaGrande); Hawkins (1982): LANE (McKenzie River Basin); Hawkins (1984): LANE (Cougar Cr, Fawn Cr, Lookout Cr, Mack Cr, McKenzie R, Mill Cr, North Fork Wycoff Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE. Carlson (1989): UNION (Jordon Cr, Mottet Cr, Summer Cr), WALLOWA (Bear Cr, Billy Cr, Carrol Cr, Deer Cr, Devil's Run, Griffith Cr, Grouse Cr, Tyee Cr); Parsons et al. (1991): LANE (Andrews Exper For); LINN (Andrews Exper For); Harper et al. (1995): LANE (Quartz Cr).

New data.—BAKER Baldy Cr, 16-VIII-2004, and Blue Canyon Cr, 31-VII-2001, and East Fork Eagle Cr, 10-IX-2001, and Elk Cr, 18-VIII-2004, and Fopian Cr, 10-VII-2004, and North Fork Pine Cr, 8-VIII-2004, and Pine Cr, 23-VII-2001 (BLAB), and Eagle Cr, 23-VI-1978, Brigham et al. (PERC), and Mill Pond, V-1938, Parker (OSU), and South Fork Dixie Cr, 18-VII-2002 (EPA); BENTON: Coffin Butte, 10-V-1949, Reerink, and Mary's Peak, 30-III-1941, Bonn, and Lobster Cr, 27-IV-1940, and South Fork Alsea R, 27-IV-1940, Lueff (OSU), and Duffy Cr, 17-X-2004, and Fall Cr, 29-IX-2003, and North Fork Alsea River, 29-IX-2003, and Parker Cr, 29-IX-2003, and Rock Cr, 2-VI-2002, and Upper South Fork Alsea Cr, 28-IX-2003, and Yew Cr, 27-X-2003 (BLAB); CLACKAMAS: Bear Cr, 9-VII-1997, and Boulder Cr, 21-VIII-2001, and Bull Cr, 9-VII-2001, and Image Cr, 8-IX-1997, and Molalla R, 2-X-2001, and Salmon R, 22-VIII-2001, and Sixes Cr, 26-VIII-1997, and Still Cr, 5-XI-2002 (BLAB), and Winslow Cr, 25-VI-2003 (EPA); CLATSOP: Bear Cr, 21-VIII-2001, and Humbug Cr, 20-VIII-2001 (BLAB), and Lewis and Clark R, 5-V-1982, Baumann & Jewett (BYU), and Necanicum R, 23-IV-1966 (OSU); COLUMBIA: Clatskanie R, 23-VII-2001 (BLAB), and Rock Cr, 28-VI-2000 (EPA); COOS: Dude Cr, 17-VII-2001, and West Fork Millicoma R, 4-IX-2001 (BLAB), and Elk Cr, 7-IX-1999 (ODEQ), and Mink Cr, 1-VIII-2000, and Upper Land Cr, 16-IX-2003, and Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: Allen Cr, 23-VIII-2004, and Bear Cr, 22-VIII-2004,

and Little McKay Cr, 15-VII-2001 (BLAB); CURRY: Bear Cr, 13-VIII-2001, and Mule Cr, 7-VIII-2001 (BLAB); DESCHUTES: Deschutes R, 10-IX-2001, and Jefferson Cr, 10-IX-2001, and Soda Cr, 1-IX-2002, and Tumalo Cr, 9-IX-2001 (BLAB); DOUGLAS: Battle Cr, 22-VII-2004, and East Fork Pass Cr, 2-IX-2004, and Evarts Cr, 23-VIII-2004, and Jim Cr, 22-VIII-2004, and Kelly Cr, 25-VIII-2004, and Lost Bucket Cr, 31-VIII-2004, and Miner Cr, 25-VII-2004, and North Fork East Fork Rock Cr, 24-VIII-2004, and Pass Cr, 27-VIII-2004, and Rock Cr, 24-VIII-2004, and South Fork Smith Cr, 8-VIII-2004, and Trail Cr, 29-VIII-2004, and Upper Canton Cr, 2-IX-2004, and Upper Francis Cr, 1-IX-2004, and Wolf Cr, 16-VIII-2004 (BLAB), and Rough Cr, 15-VII-2003, and West Fork Smith R, 20-VIII-2002, and Williams Cr, 19-IX-2002 (EPA); GRANT: Baldy Cr, 30-VII-2001, and Beeman Cr, 23-VII-2002, and Bull Run Cr, 17-VII-2002, and Black Canyon Cr, 30-VII-2003, and Indian Cr, 31-VII-2000, and Martin Cr, 16-VII-2002, and Middle Fork John Day R, 16-VII-2001, and North Reynolds Cr, 17-VIII-2000, and North Trail Cr, 12-IX-2000, and Strawberry Cr, 18-VII-2001, and Riley Cr, 18-VII-2001 (EPA), and Big Cr, 6-VII-2004, and Brook, 26-VII-2004, and Call Cr, 27-VII-2004, and Canyon Cr, 7-VII-2004, and Clear Cr, 25-X-2003, and Crane Cr, 1-VIII-2001, and Deadwood Cr, 8-VII-2004, and John Day R, 28-VII-2004, and McCoy Cr, 18-VII-2001, and North Fork Malheur R, 14-VII-2000, and Reynolds Cr, 27-VII-2004, Sheep Cr, 15-VII-2004 (BLAB); Skookum Cr, 29-VIII-2001, and South Fork Desolation Cr, 9-VIII-2004, and Summit Cr, 9-VII-2004, and Tex Cr, 7-VII-2004 (BLAB); HARNEY: Big Indian Cr, 4-VII-2001, and Big Trout Cr, 14-VI-2004, and Blitzen R, 1-VII-2001, and Deep Cr, 19-VII-2004, and Donner R, 13-VIII-2001, and Fish Cr, 25-VI-2001, and Little Fish Cr, 25-VI-2001, and Little Indian Cr, 4-VII-2001 (BLAB); HOOD RIVER: Badger Cr, 20-VIII-2001 (BLAB), and Warren Cr, Hwy 84, 30-V-1987 (OSU); JACKSON: Abbott Cr, 15-VIII-2001, and Beaver Cr, 14-XI-2002, and East Fork Ashland Cr, 17-X-2002, and Glade Cr, 25-VII-2001, and Little Applegate R, 10-XI-2002, and McDonald Cr, 10-XI-2002, and North Fork Little Butte Cr, 29-X-2002, and Neil Cr, 19-XI-2002, and South Fork Little Butte Cr, 19-XI-2002, and Yale Cr, 14-XI-2002 (BLAB), and Evans Cr, 10-IX-2003 (EPA), and Jenny Cr, Hwy 66, Pinehurst, 15-IV-1976, Evans (PERC); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA), and Candle Cr, 8-VII-2001, and First Cr, 12-IX-2001, and Jefferson Cr, 13-VIII-2001 (BLAB), and Shitike Cr, 10-V-1984 (OSU); JOSEPHINE: Cedar Cr, 2005, and North Fork Galice Cr, 6-VIII-2001, and Sixmile Cr, 15-VIII-2001 (BLAB); KLAMATH: Johnson Cr, 10-VII-2001 (BLAB); and Sand Cr, 29-VIII-2001 (BLAB); LAKE: Deep Cr, 10-VII-2001, and Dismal Cr, 2005 (BLAB); LANE: Big R, 26-VII-2004, and Cartwright Cr, 4-VII-2001, and Deception Cr, 9-VII-2001, and Hinton Cr, 27-VIII-2001, and Laying Cr, 3-VIII-2001, and Lobster Cr, 29-VIII-2004, and Marten Cr, 27-VII-2004, and Middle Fork Willamette R, 15-VIII-2001, and North Fork Middle Fork Willamette R, 29-VIII-2001, and Quartz Cr, 9-IX-2001, and Traverse Cr, 5-IX-2001, and Upper Lake Cr, 11-VIII-2002 (BLAB), and Bear Cr, 21-VIII-2000, and Goodman Cr, 8-VII-2003, and Siuslaw R, 16-IX-2003 (EPA), and Ferguson Cr, Ferguson Rd, 25-VII-1994 (USGS), and Grasshopper Cr, 14-VI-1982, Courtney (OSU), and McKenzie R, III-2001, Goldhammer (BARS), and Salt Cr, 7-VI-1958, Johnson (PERC); LINCOLN: Fall Cr, 26-IV-1941, Mastin, and Mill Cr, 4-V-1940, Miller (OSU); LINN: Blowout Cr, 9-VII-2001, and Cash Cr, 3-VII-2001, and Milk Cr, 2-VII-2001, and Quartzville Cr, 2-X-2001, and Roaring R, 2-VII-2001, and Squaw

Cr, 29-VIII-2001 (BLAB), and Quartz Cr, 12-III-1980, Barton (OSU), and Suttle Camp Cr, 8-VII-2003 (EPA); MARION: Cherry Cr, 31-VII-1997, and Elkhorn Cr, 10-VI-2001, and Little North Fork Santiam R, 10-VI-2001, and Scorpion Cr, 4-VII-2001, and Tunnel Cr, 3-VII-2001 (BLAB), and Little Abiqua Cr, Scotts Mills, 9-VIII-1993 (USGS), and Tincup Cr, 1-VIII-2001 (EPA); MORROW: Alder Cr, 10-VII-2002, and Johnson Cr, 12-VII-2001, and Potamus Cr, 24-VII-2002 (EPA), and Willow Cr, 31-III-2000, Newell (FLBS); MULTNOMAH: Sandy R, 26-VI-2001, and West Br Falls Cr, 15-VIII-2001 (BLAB); POLK: Mill Cr, 25-VI-2002 (BLAB); TILLAMOOK: Cook Cr, 22-VIII-2001 (BLAB), and Nestucca R trib, 5-IX-2002 (EPA); UMATILLA: Buck Cr, 31-VII-2001, and Camp Cr, 1-VIII-2001 (BLAB), and Cable Cr, 1-VIII-2001, and Camas Cr, 16-VII-2002, and Hideaway Cr, 9-VIII-2000 (EPA), and South Fork Walla Walla R, 10-IX-2000, Newell (FLBS); UNION: East Fork Eagle Cr, 13-IX-2002 (EPA), and Hall Ranch Cr, 12-VI-2002, and Limber Jim Cr, 31-VIII-2004, and Little Minam Cr, 21-VIII-2004, and Meadow Cr, 25-VII-2004, and Pelican Cr, 19-VII-2004, and Sheep Cr, 12-VII-2004 (BLAB), and Philips Cr, Summerville, 29-V-1970, Evans, and Velvet Cr, 23-VI-1974, Brigham & Brigham (PERC); WALLOWA: Broady Cr, 3-VIII-2000, and North Minah R, 10-IX-2002 (EPA), and Gumboot Cr, 16-VII-1973, Anderson (OSU), and Milk Cr, 21-VII-2004, and North Fork Wenaha Cr, 22-VII-2004, and Peavine Cr, 20-VIII-2004, and West Fork Broady Cr, 6-VIII-2001 (BLAB); WASCO: Barlow Cr, 9-VII-2001, and Cedar Cr, 8-VII-2002 (EPA); WASHINGTON: Gales Cr, Glenwood, 19-VIII-1993 (USGS); WHEELER: Bridge Cr, 24-VII-2001, and Milk Cr, 7-VIII-2000, and Rock Cr, 31-VII-2002 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Drunella flavilinea (McDunnough)

Previous data.—Allen (1955) and Allen and Edmunds (1962): BENTON (Corvallis, Greasy Cr, Mary's R, North Fork Alsea R, Oak Cr, Philomath, Rock Cr, South Fork Alsea R, Woods Cr), CLACKAMUS (Bull Run R, Salmon Cr), COOS (Coos R), CURRY (Lobster Cr), DESCHUTES (Deschutes R), GRANT (John Day R), JEFFERSON (Lake Cr), KLAMATH (Crescent Cr, Odell Cr), LANE (McKenzie R, Middle Fork Willamette R, Oakridge, Rat Cr, Smith Cr), LINCOLN (Alsea R, Lake Cr, nr Boiler Bay, Yoquina R), LINN (Trout Cr); LaGasa (1978): UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE; Carlson (1989): UNION (Jordan Cr, Mottet Cr, Summer Cr), WALLOWA (Bear Cr, Billy Cr, Carrol Cr, Deer Cr, Devil's Run, Griffith Cr, Grouse Cr, Tyee Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BENTON: Lobster Cr, 4-V-1950, Schneider, and South Fork Mary's R, 25-IV-1940, Johnson (OSU), and Willamette R, Cartney Prk, IV-2002, Goldhammer (BARS); COOS: Elk Cr, 3-VIII-1995 (ODEQ); CURRY: Mussel Cr, 4 mi N Ophir, 15-V-1948, Leech (CAS); HOOD RIVER: Badger Cr, 20-VIII-2001 (BLAB); KLACKAMAS: Salmon R, 18-VI-1933, Dimick (OSU); LANE: Blue R, 15-VI-1958, Johnson (PERC), and Lake Cr, 19-IV-1941, Vermeel (OSU), and McKenzie R, III-2001, and Walterville Div Canal, III-2001, Goldhammer (BARS); LINN: Willamette R, Cartney Prk, IV-2002, Goldhammer (BARS); MARION: Silver Cr, 25-V-1941, Bonn, and Silver Falls, 17-IV-1939 (OSU); UMATILLA: North Fork Umatilla R, 9-VII-1999, Newell (FLBS); UNION: Grand

Ronde R trib, S Elgin, Hwy 82, 31-V-1970, Tew & Evans (PERC), and Lookinglass Cr, 19-VI-1999, Newell (FLBS).

Drunella grandis (Eaton)

Previous data.—McDunnough (1934) as *Ephemerella ingens* McDunnough: BENTON (Luckiamute R), LINCOLN (nr Eddyville); Allen (1955) and Allen and Edmunds (1962): BENTON (North Fork Alsea R, Mary's R, Willamette R), CLACKAMUS (Salmon R), DESCHUTES (Deschutes R), GRANT (Canyon Cr, Silvies R), JEFFERSON (Deschutes R, Metolius R), KLAMATH (Little Deschutes R), LANE (McKenzie R, Oakridge), LINCOLN (Alsea R, Elk Cr, Yaquina R), LINN (Calapooya R, Santiam R), WALLOWA (Lostine R); Hawkins (1985): LANE (McKenzie River Basin); Porter and Meehan (1987): LANE; Carlson (1989): UNION (Jordan Cr), WALLOWA (Billy Cr, Carol Cr, Devil's Cr); Anderson and Anderson (1995): WHEELER (Bridge Cr).

New data.—BENTON: North Fork Alsea River, Fish Hatchery, 18-IV-1970, Evans (PERC); CLACKAMAS: Salmon R, 27-XII-1995, Durfee (CSU), and Sandy R, Dodge Pk, 22-VI-1933 (INHS), and Salmon R trib, 2 mi SE Brightwood, 8-III-1986, and Zigzag R, Rhododendron, 8-III-1986, Zack (WSU); COOS: Elk Cr, 29-VIII-1995 (ODEQ); DOUGLAS: Rough Cr, 15-VII-2003, and West Fork Smith R, 20-VIII-2002, and Williams Cr, 19-IX-2002 (EPA); GRANT: Bull Run Cr, 27-VIII-2003, and Camp Cr, 7-VIII-2003, and Clear Cr, 19-VII-2000, and Deer Cr, 24-VII-2001, and Dry Cabin Cr, 16-VII-2002, and Grasshopper Cr, 16-VIII-2000, and Long Cr, 9-VIII-2000, and Martin Cr, 16-VII-2002, and Middle Fork John Day R, 25-VIII-2003, and Murderers Cr, 21-VII-2003, and Strawberry Cr trib, 18-VII-2000 (EPA), and North Fork Malheur R, 20-X-2003 (BLAB); HARNEY: Silvies River, Bear Valley RS, 21-VIII-1954, Edmunds & Allen (PERC); JACKSON: Jenny Cr, Hwy 66, Pinehurst, 15-IV-1967, Evans, and Neil Cr, E Ashland, 15-IV-1976, Evans (PERC); LANE: 11 mi NE Blue R, 25-IV-1979, Cooper (OSU), and Lookout Cr, 13-V-1987 (PERC), and McKenzie R, Mohawk R conf, 1-IX-2001, Goldhammer (BARS); LINN: 11 mi NE Blue R, 25-IV-1979, Cooper (OSU); LINCOLN: Lake Cr trib, Kootonai R, Troy, 24-III-1988 (OSU); MORROW: Johnson Cr, 12-VII-2001 (EPA), and Willow Cr, 31-III-2000, Newell (FLBS); UMATILLA: Cable Cr, 1-VIII-2001, and Camas Cr, 8-VIII-2000, and Hideaway Cr, 9-VIII-2000 (EPA), and Pine Cr, Weston, 25-IV-1985, Baumann & Nelson (BYU), and South Fork Walla Walla R, 17-I-1998, and Umatilla R, 7-II-1998, Newell (FLBS); UNION: Hall Ranch Cr, 16-IX-2002 (BLAB), and Philips Cr, Hwy 82, Elgin, 19-V-1977, Baumann & Dunster (BYU); WASCO: Deschutes R, 12-IX-2000 (EPA); WHEELER: Bridge Cr, 24-VII-2001, and Brown Cr, 24-VII-2001 (EPA).

Drunella pelosa (Mayo)

Previous data.—Allen (1955) and Allen and Edmunds (1962): BENTON (Rock Cr); Hawkins (1984): LANE (Lookout Cr, Mack Cr, McKenzie River Basin); Porter and Meehan (1987): LANE; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—CLACKAMAS: Still Cr, 10-XII-2002 (BLAB); COOS: Elk Cr, 16-VII-1996 (ODEQ); HOOD RIVER: Neal Cr, 18-IV-1995 (PERC); LANE: Hills Cr, IV-1996, and Lookout Cr, 13-V-1987 (PERC); POLK: Mill Cr, 25-VI-2002 (BLAB).

Drunella spinifera (Needham)

Previous data.—Allen (1955) and Allen and Edmunds (1962): CLACKAMUS (Salmon R, Zigzag R), HOOD RIVER (East Fork Hood R), JACKSON (Rogue R), KLAMATH (Odell Cr), LANE (Cape Cr, McKenzie R), WALLOWA (Lostine R, Wallowa R); LaGasa (1978): UNION (nr LaGrande); Hawkins (1982): LANE (McKenzie River Basin); Hawkins (1984): LANE (Lookout Cr, Mack Cr, McKenzie R); Porter and Meehan (1987): LANE; Carlson (1989): UNION (Jordon Cr, Summer Cr), WALLOWA (Billy Cr, Carrol Cr, Deer Cr, Devil's Run, Grouse Cr, Tyee Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

New data.—BAKER Baldy Cr, 16-VIII-2004, and China Cr, 30-VII-2001, and Dutch Flat Cr, 17-VIII-2004, and Eagle Cr, 9-VIII-2004, and Elk Cr, 18-VIII-2004, and North Fork Pine Cr, 8-VIII-2004, and Pine Cr, 23-VII-2001 (BLAB), and Goose Cr, 23-VI-1978, Brigham & Brigham (PERC), and West Fork Goose Cr, Sanger Mine Rd, 17-V-1977, Baumann (BYU); BENTON: Fall Cr, 29-IX-2003, and North Fork Alsea R, 29-IX-2003, and Parker Cr, 29-IX-2003 (BLAB), and Griffith Cr, 14-V-1967, Evans (PERC), and Mark's Cr, Corvallis, 26-II-1938, White (OSU); CLACKAMAS: Bull Cr, 28-VIII-2001, and Clear Fk Cr, 18-XI-2002, and Eagle Cr, 19-XI-2003, and Salmon R, 22-VIII-2001, and Still Cr, 4-XI-2002 (BLAB), and Winslow Cr, 25-VI-2003 (EPA), and Zigzag R, Rhododendron, 8-III-1986, Zack (WSU); CLATSOP: McClure Cr, 2-VII-2001 (EPA); COOS: Elk Cr, 10-IX-1996 (ODEQ), and Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: 26 mi E Prineville, 20-V-1956, Lattin (OSU), and Allen Cr, 23-VIII-2004, and Little McKay Cr, 15-VII-2001, and Roba Cr, 29-VII-2001 (BLAB); CURRY Hunter Cr trib, 4-IV-2004 (BLAB); DESCHUTES: Browns Cr, 10-IX-2001, and Jefferson Cr, 10-IX-2001, and Tumalo Cr, 2-IX-2002 (BLAB), and First Cr, 9-V-1994, Anderson, and Todd Lake, 7-IX-1986 (OSU), and Three Cr, 25-VII-2001 (EPA); DOUGLAS: Elk Cr, 3-VIII-1994 (ODEQ), and Lost Bucket Cr, 31-VIII-2004, and Miller Cr, 16-VIII-2001, and North Umpqua R, 13-IX-2004, and South Umpqua R, 31-VII-2001, and Trail Cr, 29-VIII-2004, and Upper Francis Cr, 1-IX-2004 (BLAB); GRANT: Baldy Cr, 30-VII-2001, and Beeman Cr, 19-VII-2001, and Buck Cr, 8-VIII-2000, and Canyon Cr, 30-VII-2003, and Clear Cr, 20-VII-2000, and Deer Cr, 24-VII-2001, and Dry Cabin Cr, 16-VII-2002, and East Fork Meadow Brook Cr, 2-VIII-2000, and Martin Cr, 16-VII-2002, and North Reynolds Cr, 17-VIII-2000, and North Trail Cr, 12-IX-2000, and Onion Cr, 31-VII-2001, and Riley Cr, 18-VII-2001, and Slide Cr, 23-VII-2002, and Strawberry Cr trib, 15-VIII-2000, and Vincent Cr, 17-VII-2001 (EPA), and Big Cr, 10-XI-2003, and Call Cr, 13-VII-2003, and Crane Cr, 13-X-2003, and John Day R, 18-VII-2003, and Lunch Cr, 4-XI-2003, and McCoy Cr, 18-VII-2001, and North Fork Malheur R, 14-VII-2003, and Reynolds Cr, 12-VII-2003, and Roberts Cr, 6-VII-2001, and Sheep Cr, 15-VII-2004, and South Fork Desolation Cr, 29-VI-2004, and Tex Cr, 8-VII-2004 (BLAB); HARNEY: Blitzen R, 3-VIII-2001, and Donner R, 3-VIII-2001 (BLAB); HOOD RIVER: Badger Cr, 20-VIII-2001 (BLAB); JACKSON: Evans Cr, 10-IX-2003 (EPA), and Glade Cr, 13-XI-2002, and Little Applegate R, 10-XI-2002, and Neil Cr, 19-XI-2002, and North Fork Little Butte Cr, 29-X-2002, and Rogue R, 18-IX-2001, and South Fork Little Butte Cr, 19-XI-2002 (BLAB); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA), and Canyon Cr, 22-VIII-2001, and First Cr, 12-IX-2001 (BLAB), and Metolius R, 24-IV-1932, Dimick, and Ochuco Summit, 23-VI-1984,

and Spring Cr, 19,20-IV-1952, Roth (PERC); JOSEHINE: Cedar Swamp, 16-VIII-2005, and Hawk Cr, 8-VIII-2005, and Upper Sourgrass Cr, 1-VIII-20005 (BLAB); KLAMATH: Big Marsh Cr, 13-VIII-2001, and Cold Cr, 10-VII-2001, and Hemlock Cr, 6-VIII-2001, and Johnson Cr, 11-IX-2001, and Williamson R, 18-VII-2004 (BLAB), and Little Deschutes R, Crescent, 23-VIII-1954, Edmunds & Allen (PERC), and Wood R, 21-III-1980, Barton (OSU); LAKE: Calahan Cr, 21-IX-2000, and Coffeepot Cr, 26-VII-2001, and West Fork Silver Creek, 16-VII-2001 (BLAB), and Muddy Cr, 22-VIII-2000 (EPA), and Schmidt Farm, S Summer Lake, 3-VI-1967, Evans (PERC); LANE: Grasshopper Cr, 14-VI-1982, Courtney (OSU), and Middle Fork Willamette R, 15-VIII-2001, and North Fork Middle Fork Willamette R, 29-VIII-2001, and Seventh Cr, 10-VII-2001 (BLAB); LINCOLN: Flynn Cr, 19-X-2003 (BLAB); LINN: Blowout Cr, 9-VII-2001, and Squaw Cr, 24-VII-2001, and Roaring R, 2-VII-2001 (BLAB), and Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA), and Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds & Allen (PERC); MARION: Cherry Cr, 31-VII-1997 (BLAB), and Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds & Allen (PERC), and Tincup Cr, 1-VIII-2001 (EPA); TILLAMOOK: Nestucca R trib, 5-IX-2002 (EPA); UMATILLA: Buck Cr, 10-IX-2001 (BLAB), and Cable Cr, 1-VIII-2001 (EPA), and North Fork Umatilla R, 9-VII-1999, Newell (FLBS); UNION: Chicken Cr, 30-VIII-2004, and Hall Ranch Cr, 16-IX-2002, and Limber Jim Cr, 24-VII-2001, and Little Minam Cr, 21-VIII-2004 (BLAB), and East Fork Eagle Cr, 13-IX-2002 (EPA); WALLOWA: Broady Cr, 3-VIII-2000, and Frog Cr trib, 14-VIII-2000, and North Minah R, 10-IX-2002 (EPA), and Lostine Cr, 2-IX-2004, and Milk Cr, 21-VII-2001, and Wallowa R, 22-VIII-2001 (BLAB); WASCO: Barlow Cr, 9-VII-2001, and Beaver Cr, 14-IX-2000, and Little Badger Cr, 11-VII-2002 (EPA); WHEELER: Milk Cr, 7-VIII-2000 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Ephemerella alleni Jensen and Edmunds

Previous data.—Jacobus et al. (2003): DOUGLAS (Bulldog Cr), JACKSON (McDonald Cr), JOSEPHINE (McDonald Cr), KLAMATH (Sun Cr), LANE (Beaver Cr, Shadow Springs), MARION (trib French Cr), MULTNOMAH (Wahkeena Cr).

New data.—DESCHUTES: Tumalo Cr, 10 mi W Bend, 11-VI-1975, Anderson (PERC); DOUGLAS: Bear Cr, 5-X-1999 (PERC).

Ephemerella aurivillii (Bengtsson)

Previous data—Allen (1955) and Allen and Edmunds (1965): BENTON (Colorado Lake, Corvallis, Oak Cr, Woods Cr), KLAMATH (Crescent Cr), LINCOLN (Aalsea R); Hawkins (1985): LANE (McKenzie River Basin); Porter and Meehan (1987): LANE.

New data.—BENTON: Aalsea R, Aalsea, 5-I-1942 (INHS), and Lobster Cr, 15 mi SW Aalsea, 13-VII-1975, Anderson (OSU); CLACKAMAS: Salmon R, 27-XII-1995, Etnier (CSU); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Fishtrap Cr, 18-VII-1995 (ODEQ); DESCHUTES: Deschutes R, at Steelhead Falls, 22-VI-2006, and Squaw Cr, 4-VI-2003 (BLAB); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC); GRANT: Clear Cr, 14-VIII-2000 (EPA); KLAMATH: Spencer Cr, 4-VIII-2005 (BLAB); LINN: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds & Allen (PERC); MARION: Santiam R, 8 mi N

Albany, 26-VIII-1954, Edmunds & Allen, and Silver Falls St Prk, 22-IV-1967, Evans (PERC); MORROW: Butcher Bill Cr, 6-V-2000, Newell (FLBS); POLK: Falls City, 29-IV-1953, Lattin (CAS); WALLOWA: Little Sheep Cr, Cloverdale Rd, 28-VIII-1968, Wold & Wold (OSU).

***Ephemerella dorothea* McDunnough**

Previous data.—Allen and Edmunds (1965) as *E. infrequens* McDunnough: BENTON (Marks Cr, Woods Cr), CLACKAMUS (Bull Run R, Middle Fork Willamette R), DESCHUTES (Deschutes R), JEFFERSON (Spring Cr, trib Metolius R), KLAMATH (Odell Cr), LANE (Fall Cr, McKenzie R), WASHINGTON (Rock Cr); LaGasa (1978) as *E. infrequens*: UNION (nr LaGrande). Hawkins (1982) as *E. infrequens*: LANE (McKenzie River Basin). Hawkins (1984) as *E. infrequens*: LANE (Lookout Cr, Mack Cr, McKenzie R); Porter and Meehan (1987) as *E. infrequens*: LANE, UNION; Parsons et al. (1991) as *E. infrequens*: LANE (Andrews Exper For), LINN (Andrews Exper For). Harper et al. (1995) as *E. infrequens*: LANE (Grasshopper Cr, Mack Cr, Quartz Cr); Jacobus and McCafferty (2003b): CLATSOP (Big Cr), DESCHUTES (Tumalo St Prk), JEFFERSON (Deschutes R).

New data.—BAKER: Eagle Cr, 23-VI-1978, Brigham et al. (PERC), and Powder R, Hwy 7, 27-II-1984, Baumann & Nelson, Velvet Cr, 17-V-1977, Baumann, and Spring Cr, 14-IV-1984, Fiala (BYU); BENTON: Alder Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer, and South Fork Mary's R, 25-IV-1940, Johnson (PERC), and Corvallis, 29-III-1939, Polson, and Greasy Cr, 10-V-1941, Mastin, and Rock Cr, 10-V-1941, Joyce (OSU), and Parker Cr, Mary's Peak Rd, 26-VI-1985, Baumann et al. (BYU), and Willamette R, III-1999, Goldhammer (BARS); CLATSOP: Necanicum R, 23-IV-1966 (OSU); CURRY: 1.5 mi N Arizona Beach, Hwy 101, 16-IV-1967, and Humbug Mt St Prk, S Port Orford, 16-IV-1967, Evans, and Mussel Cr, Ophir, 15-V-1948, Leech (PERC); DESCHUTES: Squaw Cr, 3-IX-2001 (BLAB); DOUGLAS: South Umpqua R, 7-VI-1976, Stansbury (OSU); GRANT: Sheep Cr, 12-VII-2003 (BLAB); JACKSON: 1 mi W Ruch, Hwy 238, 15-IV-1967, and Jenny Cr, Hwy 66, Pinehurst, 15-IV-1976, Evans, and Mt Ashland, 20-VII-1988, and Upper McDonald Cr, 7-XI-2000 (PERC), and Keena Cr, Rt 66, 15 mi E Ashland, 10-VI-1975, Anderson (OSU); JOSEPHINE: Upper McDonald Cr, 7-XI-2000 (PERC); KLAMATH: 15 mi W Kena, 21-VI-1964, Denning, A, and Sprague R, Chiloquin, 10-VII-1975, Anderson (OSU), and Princess Cr, Hwy 58, 17-VI-1958, Johnson (PERC); LANE: Grasshopper Cr, 23-V-1982, Courtney (OSU), and McKenzie R, VII-2001, and Mohawk R confl, XII-2000, and Walterville Div Canal, XII-2000, and Willamette R, IX-1998, Goldhammer (BARS), and Middle Fork Willamette R, Hwy 58, and Odell Cr, 7-VI-1958, Johnson (PERC); LINN: Willamette R, III-1999, Goldhammer (BARS); MORROW: Butcher Bill Cr, 6-V-2000, Newell (FLBS); MULTNOMAH: Ball Run Cr, Portland, 25-V-1946, Needham (PERC); UMATILLA: Umatilla R, 8-V-2000, Newell, A (FLBS); UNION: 8 mi N Medical Springs, Hwy 203, 30-V-1970, Tew & Evans, and Philips Cr, Summerville, 29-V-1970, Evans (PERC); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC); WASCO: Lower Deschutes R, 26-IX-1997 (PERC).

Ephemerella excrucians Walsh

Previous data.—(all as *E. inermis* Eaton): ALLEN and EDMUNDS (1965): BENTON (Siletz R), CURRY (Mussel Cr), DESCHUTES (Deschutes R), GRANT (John Day R), JEFFERSON (Lake Cr), KLAMATH (Little Deschutes R), LANE (McKenzie R), LINCOLN (Alease R), MALHEUR (Camp Cr), WASHINGTON (Rock Cr); HAWKINS (1985): LANE (McKenzie R); CARLSON (1989): UNION (Jordan Cr, Summer Cr), WALLOWA (Bear Cr, Carrol Cr, Deer Cr, Griffith Cr, Grouse Cr, Tyee Cr); ANDERSON and ANDERSON (1995): WHEELER (Bridge Cr).

New data.—BENTON: Oak Cr, 3-III-1938, Yeoman, and South Fork Mary's R, 25-IV-1940, Grover, Woods Cr, 2 mi W Philomath, 25-III-1937, Kebbe, and Yew Cr, 6-IV-1940, Pitney, and Lobster, 19-III-1939 (OSU), and Rock Cr, 2-VI-2002, and Upper Crooked Cr, 2-VI-2002 (BLAB), and Willamette R, III-2001, Goldhammer (BARS); CLACKAMAS: Salmon R, 17-VI-2001 (BLAB); DESCHUTES: Squaw Cr, 4-VI-2003 (BLAB); GRANT: South Fork Desolation Cr, 29-VI-2004 (BLAB); HARNEY: Big Trout Cr, 14-VI-2004, and East Fork Trout Cr, 14-VI-2004 (BLAB), and French Glen, 26-VI-1951, Malkin, A (CAS); JACKSON: Beaver Cr, 14-XI-2002, and Glade Cr, 13-XI-2002, and North Fork Little Butte Cr, 29-X-2002 (BLAB); KLAMATH: Main Sprague R, 9-VI-2004, and Wood R, 19-VII-2004 (BLAB); LANE: McKenzie R, V-2002, and Willamette R, III-2001, Goldhammer (BARS), and Odell Cr, Hwy 50, 7-VI-1958, Johnson (PERC); LINCOLN: Fall Cr, 8-VI-2002 (BLAB); LINN: Foster Dam, Foster, 12-VII-1976, Anderson, A (OSU), and Willamette R, III-2001, Goldhammer (BARS); MARION: Elkhorn Cr, 10-VI-2001, and Little North Fork Santiam R, 10-VI-2001 (BLAB); MORROW: Willow Cr, Ione, 10-V-2000, Newell (FLBS); MULTNOMAH: Wahkeena Falls, 29-II-1984, Baumann & Nelson (BYU); UMATILLA: Mission Cr, 4-VII-2001 (BLAB); WALLOWA: Minam R, Hwy 82, 19-V-1977, Baumann & Dunster (BYU).

Ephemerella maculata Traver

New data.—COOS: Soil/Water Conserv Dist, 11-VII-2000 (PERC); CURRY: South Fork Chetko, 11-VII-1995 (PERC).

Ephemerella verruca Allen and Edmunds

Previous data.—ALLEN and EDMUNDS (1965): BENTON (Marys Peak); HAWKINS (1985): LANE (McKenzie River Basin).

New data.—DOUGLAS: Bear Cr, 5-X-1999, and Jackson Cr, 14-VI-1990 (PERC).

Eurylophella lodi (Mayo)

Previous data.—MAYO (1952b): BENTON (Peoria Slough); ALLEN (1955) and ALLEN and EDMUNDS (1963b): BENTON (Calapooya Pond, Farm Pond, Lewisburg, Mary's R, McFadden Slough, nr Lallapoola, North Fork Peoria Slough, Rock Cr, Rocky Pond, nr Peoria), KLAMATH (Williamson R), LINN (Colorado Lake, nr Tangent); HAWKINS (1985): LANE (McKenzie River Basin).

New data.—BENTON: Willamette R, XII-2000, Goldhammer (BARS); KLAMATH: Williamson R, 18-VII-2004 (BLAB), and Willow Cr, 1-X-1999 (PERC); LANE: McKenzie R, Armitage Prk, III-2001, and WALTERVILLE Div Canal, VII-2001, Goldhammer (BARS); LINN: North Peoria Slough, 16-V-1947, Hughes (PERC), and Willamette R, XII-2000, Goldhammer (BARS); MARION: Goose Lake, 10 mi N Salem, 1-V-1953, Lattin (CAS).

Serratella levis (Day)

New data.—BENTON: Parker Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer (PERC), and Willamette R, VI-1998, Goldhammer (BARS); COOS: Soil/Water Conserv Dist, 25-VII-2000 (PERC); CURRY: South Fork Chetko, 11-VII-1995 (PERC). LANE Hills Cr, 21-IX-1995, and Willamette R, 24-VIII-1999 (PERC), and McKenzie R, VII-2001, and Mohawk R confl, VII-1998, and Walterville Div Canal, VII-2001, Goldhammer (BARS); LINN: Willamette R, VI-1998, Goldhammer (BARS); MARION: Willamette R, VI-1998, Goldhammer (BARS); POLK: Willamette R, VI-1998, Goldhammer (BARS).

Serratella micheneri (Traver)

Previous data.—Allen and Edmunds (1963a): BENTON (Willamette R), CLACKAMUS (Mollala R), DOUGLAS (South Umpqua R, Umpqua R), LANE (Willamette R), LINN (Santiam R); Jacobus and McCafferty (2003b): LANE (Willamette R).

New data.—CLACKAMAS: Pudding R, Aurora, 12-VIII-1993 (USGS); CLATSOP: Rock Cr, 24-VIII-1994 (ODEQ); COOS: Soil/Water Conserv Dist, 25-VII-2000 (PERC); DESCHUTES: Squaw Cr, 3-IX-2001 (BLAB); DOUGLAS: Cow Cr, Riddle, 28-VIII-1977, Anderson (OSU), and South Umpqua R, 1 mi E Winston, 28-VIII-1985, Stansbury, A, and Stansbury Reservoir, Winston, 13,14-VII-1985, Courtney & Stansbury, A (PERC); JACKSON: Applegate R, 8 mi W Ruch, 29-VIII-1977, Anderson (OSU); KLAMATH: Little Deschutes R, 7-VIII-1997, and Lost River, Malone, 4-VIII-1999 (PERC); LANE: Coast Fork Willamette R, 12-VI-2001 (EPA), and Row River trib, 25-VII-1957, Johnson (PERC); LINN: Calapooia R, Albany, 4-VIII-1994, and Lower Muddy Cr, Nixon Rd, 26-VII-1994 (USGS); MARION: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds & Allen (PERC); MULTNOMAH: Sandy R, 25-VII-2002 (EPA); POLK: Mill Cr, 23-VI-2003 (EPA); UMATILLA: South Fork Walla Walla R, 10-IX-2000, Newell (FLBS).

Serratella teresa (Traver)

Previous data.—Allen (1955) and Allen and Edmunds (1963a): BENTON (Muddy Cr, Oak Cr), DOUGLAS (Umpqua R), LANE (Willamette R), LINCOLN (Alsea R); LaGasa (1978): UNION (nr LaGrande); Hawkins (1982): LANE (McKenzie River Basin); Hawkins (1984): LANE (Mack Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Quartz Cr).

New data.—BENTON 3 mi NE Corvallis, 15-V-1975, Linn (OSU); CLACKAMAS: Molalla R, 5-VI-2001 (BLAB); CLATSOP: McClure Cr, 2-VII-2001 (EPA), and Rock Cr, 24-VIII-1994 (ODEQ); COOS: Coquille R trib, 19-VII-1994, and East Fork Coquille R, 11-VII-1996 (PERC); CURRY: Two Mile Cr, 21-VI-1994 (PERC); DESCHUTES: Squaw Cr, 3-IX-2001 (BLAB); DOUGLAS: Bear Cr, 5-X-1999, and Potter Cr, 15-X-1995 (PERC), and West Fork Smith R, 20-VIII-2002 (EPA); GRANT: Black Canyon Cr, 20-VII-2003, and Bull Run Cr, 17-VII-2002, and Deer Cr, 24-VII-2001, and Elk Cr, 18-VII-2001, and Middle Fork John Day R, 11-VI-2003, and Murderers Cr, 21-VII-2003, and Olive Cr, 24-VII-2002, and Oriental Cr, 25-VII-2002, and South Fork Murderers Cr, 17-VII-2002, and Strawberry Cr, 18-VII-2001, and Wildcat Cr, 29-VII-2003

(EPA); JACKSON: trib Beaver Cr, 30-VI-2006, and East Fork Camp Cr, 20-VII-2005, and Cascade Siskiyou Natl Mon, 29-VI-2006, and Deadman Gulch, 30-VI-2006, and South Fork Keene Cr, 14-VII-2005, and Max Gulch, 14-VI-2006 (BLAB); JOSEPHINE: Cedar Swamp, 16-VIII-2005; KLAMATH: Spencer Cr, 3-VIII-2005 (BLAB); LAKE: Mud Cr, 5-VII-2005 (BLAB); LANE: Amazon Cr, Martin St, 23-IV-2001, and West Fork Amazon Cr, 8-IV-1999 (PERC); LINCOLN: Yachats R (PERC); LINN: Quartzville Cr, 11-VI-2001 (BLAB); MORROW: Alder Cr, 10-VII-2002, and Ditch Cr, 16-VII-2002, and Johnson Cr, 12-VII-2001 (EPA); POLK: Mill Cr, 2-VII-2002 (BLAB); UMATILLA: Cable Cr, 1-VIII-2001, and Rush Cr, 11-VII-2001 (EPA), and Mission Cr, 4-VII-2001 (BLAB); WALLOWA: Wallowa R, Enterprise, 26-VIII-1952, Edmunds (PERC); WASCO: Cedar Cr, 8-VII-2002 (EPA), and Tygh Cr, 5,15-VI-1988 (PERC); WHEELER: Nelson Cr, 1-VIII-2002 (EPA); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Serratella tibialis (McDunnough)

Previous data.—Allen (1955) and Allen and Edmunds (1963a): BENTON (Muddy Cr, Oak Cr, Rock Cr, Siletz R, South Fork Mary's R, Woods Cr), CLACKAMUS (Camp Cr, Mollala R, Polallie Cr, Salmon R), DESCHUTES (Deschutes R, Squaw Cr), GRANT (John Day R), HOOD RIVER (South Fork Mineral Cr), JACKSON (Rogue R, Union Cr), JEFFERSON (Clear Cr, Metolius R), KLAMATH (Little Deschutes R), LANE (Cape Cr), LINCOLN (Alsea R, Five Rivers), WALLOWA (Lostine R, Wallowa R); LaGasa (1978): UNION (nr LaGrande); Hawkins (1982): LANE (McKenzie River Basin); Hawkins (1984): LANE (Lookout Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Quartz Cr); Jacobus and McCafferty (2003b): BENTON (Griffith Cr).

New data.—BAKER: Baldy Cr, 16-VIII-2004, and Dutch Flat Cr, 17-VIII-2004, and Fopian Cr, 10-VII-2004, and North Fork Pine Cr, 8-VIII-2004 (BLAB), and Sawmill Cr, 11-VII-2001, and South Fork Dixie Cr, 18-VII-2002 (EPA); BENTON: Lobster Cr, 15 mi SW Alsea, 13-VII-1975, Anderson, and Luckiamute R, 11-III-1938, Dimick & Drentis (OSU), and Willamette R, Cartney Prk, III-1999, Goldhammer (BARS); CLACKAMAS: Govt Camp, Mt Hood, 23-VII-1946 (INHS), and Pudding R, 30-V-2003 (EPA), and Sandy Cr, 26-VIII-1954, Edmunds & Allen (PERC); CLATSOP: McClure Cr, 2-VII-2001 (EPA), and Rock Cr, 24-VIII-1994 (ODEQ); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: Bear Camyon Cr, 18-VIII-2004 (BLAB); CURRY: Rogue R, 2-VIII-2002 (EPA), and South Fork Chetco R, 11-VII-1995 (ODEQ), and Tate Cr, 29-V-2002, Reeves (PERC); DESCHUTES: Meadow Lake Campground, 5 mi SW Bend, 17-VI-1967, Lehmkuhl, and Upper Deschutes R, 31-VIII-1977, Anderson (OSU), and Squaw Cr, 3-IX-2002 (BLAB), and Three Cr, 25-VII-2001 (EPA); DOUGLAS: Pass Cr, 27-VIII-2004, and Upper Canton Cr, 2-IX-2004 (BLAB), and Rough Cr, 15-VII-2003, and West Fork Smith R, 20-VIII-2002 (EPA), and South Umpqua R, 7-VI-1976, Stansbury (OSU), and Umpqua R, 17-VI-1958, Johnson (PERC); GRANT: Baldy Cr, 30-VII-2001, and Beeman Cr, 19-VII-2001, and Big Cr, 24-VII-2002, and Black Canyon Cr, 30-VII-2003, and Bologna Cr, 15-VII-2003, and Buck Cr, 8-VIII-2000, and Bull Run Cr, 27-VIII-2003, and Canyon Cr, 30-VII-2003, and Clear Cr, 19-VII-2000, and Deer Cr, 24-VII-2001, and Dry Cabin Cr, 16-VII-2002, and East Fork Meadow

Brook Cr, 2-VIII-2000, and Elk Cr, 18-VII-2001, and Indian Cr, 31-VII-2000, and Martin Cr, 16-VII-2002, and Meadow Cr trib, 23-VII-2002, and Middle Fork John Day R, 16-VII-2001, and North Reynolds Cr, 17-VIII-2000, and North Fork John Day R, 26-VI-2002, and North Fork Wind Cr, 31-VII-2002, and Olive Cr, 24-VII-2002, and Riley Cr, 18-VII-2001, and South Fork John Day R, 30-VII-2002, and South Fork Murderers Cr, 17-VII-2002, and Strawberry Cr, 18-VII-2001, and Sunshine Cr, 17-VII-2001, and Vincent Cr, 17-VII-2001 (EPA), and Brook, 26-VII-2004, and Call Cr, 27-VII-2004, and Crane Cr, 15-VII-2004, and John Day R, 28-VII-2004, and North Fork Malheur R, 13-VII-2003, and Reynolds Cr, 27-VII-2004, and Summit Cr, 9-VII-2004, and Tex Cr, 8-VII-2004 (BLAB), and Camp Cr, 2-VIII-1933, Dimick (OSU); HARNEY: Big Trout Cr, 24-VIII-2000, and Fish Cr, 12-VIII-2003 (EPA), and Pike Cr, 30-VII-1984, BW (PERC); HOOD RIVER: Polallie Cr, Hwy 35, Mt Hood, 31-VIII-1958, Edmunds & Allen (PERC); JACKSON: East Fork Camp Cr, 20-VII-2005, and Dutch Oven Cr, 2005 (BLAB); JEFFERSON: Abbot Cr, 13-VIII-2003 (EPA), and Deschutes R, 13 mi NW Madres, 30-VIII-1958, and Spring Cr, 23-VIII-1954, Edmunds & Allen, and Lake Cr, 14-X-1995 (PERC); JOSEPHINE: Cedar Swamp, 20-VII-2005, and Hawk Cr, 8-VIII-2005, and Upper Sourgrass Cr, 1-VIII-2005 (BLAB); KLAMATH: Wood R, 1-VIII-2004, and Spencer Cr, 3-VIII-2005 (BLAB); LAKE: Deep Cr, 10-VII-2001, and Dismal Cr, 8-VII-2001, and North Fork Twelve Mile Cr, 1-VII-2001 (BLAB), and West Fork Silver Cr, 15-VIII-2000 (EPA); LANE: Big R, 26-VII-2004, and Quartz Cr, 2005 (BLAB), and Coast Fork Willamette R, 27-VI-2002, and Goodman Cr, 8-VII-2003, and Siuslaw R, 28-V-2003, and Willamette R, 25-VI-2002 (EPA), and Middle Fork Willamette R, Hwy 58, 17-VI-1958, and Salt Cr, 3-VIII-1957, and Odell Cr, 3-VIII-1957, Johnson (PERC), and McKenzie R, VII-2001, and Walterville Div Canal, VII-1998, Goldhammer (BARS), and Roney Cr, 21-VII-1999 (ODEQ); LINCOLN: Fall Cr, 8-VI-2002 (BLAB); LINN: Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA), and South Fork Santiam R, 2 mi W Crabtree, 10-VII-1975, Linn (OSU), and Willamette R, III-1999, Goldhammer (BARS); MARION: Little Abiqua Cr, Scotts Mills, 8-VIII-1994 (USGS); MORROW: Alder Cr, 10-VII-2002, and Ditch Cr, 16-VII-2002, and Johnson Cr, 12-VII-2001 (EPA); MULTNOMAH: Sandy R, 26-VI-2001 (BLAB); SHERMAN: Deschutes R, 31-V-2002 (EPA); UMATILLA: Bowman Cr, 12-VII-2004, and Fivemile Cr, 1-VII-2004, and Mission Cr, 3-VII-2001 (BLAB), and Cable Cr, 1-VIII-2001, and Camas Cr, 16-VII-2002, and Hideaway Cr, 9-VIII-2000, and Rush Cr, 11-VII-2001 (EPA); UNION: Limber Jim Cr, 31-VIII-2004, and Meadow Cr, 25-VII-2004, and Sheep Cr, 12-VII-2004 (BLAB), and Union Cr, Union, 24-VIII-1954, Edmunds & Allen (PERC); WALLOWA: Broady Cr, 3-VIII-2000 (EPA), and Gumboot Cr, 16-VII-1973, Anderson (OSU); WASCO: Barlow Cr, 9-VII-2001, and Beaver Cr, 14-IX-2000, and Deschutes R, 12-IX-2000, and Little Badger Cr, 11-VII-2002 (EPA), and Eight Mile Cr, 9-VII-1980, Edmunds (PERC); WASHINGTON: Gales Cr, Glenwood, 2-VIII-1994 (USGS); WHEELER: Brown Cr, 24-VII-2001, and John Day R, 19-VII-2002, and Rock Cr, 31-VII-2002 (EPA), and Northeast Fork Deadhorse Cr, Hwy 207, 6-VII-1964, Leech (CAS); YAMHILL Niagra Cr, 27-VI-2002 (EPA).

Serratella velmae (Allen and Edmunds)

Previous data.—Allen and Edmunds (1963a): CLACKAMUS (Still Cr); Hawkins (1985): LANE (McKenzie R); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

Timpanoga hecuba (Eaton)

Previous data.—Allen (1955) and Allen and Edmunds (1959): BENTON (Rock Cr), CLACKAMUS (Salmon R), CURRY (Sixes R), GRANT (Canyon Cr, Silvies R), HOOD RIVER (Hood R), JACKSON (Rogue R), LANE (Cape Cr, Cummins Cr, Rock Cr), LINCOLN (Alsea R, Five Rivers), LINN (Santiam R), UNION (Grande Ronde R), WASHINGTON (Wilson R); Nebeker et al. (1981): BENTON (nr Corvallis); Hawkins (1985): LANE (McKenzie River Basin); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION.

New data.—BENTON: Lobster Cr, 13-VII-1975, Anderson (OSU), and North Fork Alsea R, 2-VI-2002 (BLAB); CLACKAMAS: Molalla R, 5-VI-2001 (BLAB); CLATSOP: Gronnel Rd, 2 mi E Elsie, 9-VII-1967, Jewett (OSU); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Bridge, 29-VII-1953, Every (OSU), and Deton Cr, 17-VII-2001, and Elk Cr, 18-VII-2001 (BLAB), and Mink Cr, 1-VIII-2000 (EPA), and Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: Allen Cr, 23-VIII-2004, and Mark's Cr, 30-VII-2001 (BLAB); CURRY: Kelsy Cr Camp, Rogue R, 28-V-2002, Reeves (PERC); DOUGLAS: Miner Cr, 25-VII-2004, and South Fork Cleghorn Cr, 10-VIII-2004, and Wolf Cr, 16-VIII-2004 (BLAB), and South Umpqua R, 7-VI-1976, Stansbury (OSU); GRANT: Bull Run Cr, 27-VIII-2003, and John Day R, 10-VI-2003, and Martin Cr, 16-VII-2002, and Middle Fork John Day R, 16-VII-2001, and Olive Cr, 24-VII-2002 (EPA), and Crooked Cr, 12-VII-2003, and Dry Fk Clear Cr, 17-VII-2003, and Long Cr, 9-VII-2004, and South Fork Desolation Cr, 5-IX-2004, and Squaw Cr, 4-VII-2004 (BLAB), and Canyon Cr, John Day, 21-VIII-1954, Edmunds & Allen (PERC); HARNEY: Blitzen R, and Donner R, 3-VIII-2001, and Fish Cr, 15-VIII-2001, and Sawmill Cr, 18-VII-2001 (BLAB), and Trout Cr, 25-V-1994 (ODEQ); HOOD RIVER: Herman Cr, 14-VIII-2001 (BLAB); LANE: Camp Cr, 31-VII-2001, and Grenshaw Cr, 29-VII-2004, and North Sister Cr, 5-VIII-2001 (BLAB), and Goodman Cr, 8-VII-2003 (EPA), and McKenzie R, and Walterville Div Canal, VII-2001, and Willamette R, III-1999, Goldhammer (BARS); LINCOLN: Eckman R, 30-VII-2001, and Fall Cr, 8-VI-2002, and North Cr, 31-VII-2001, and Smith Cr, 30-VII-2001 (BLAB); LINN: Quartzville Cr, 11-VI-2001 (BLAB); MARION: Little Abiqua Cr, Scotts Mills, 4-VIII-1998 (USGS); MORROW: Ditch Cr, 16-VII-2002, and Johnson Cr, 12-VII-2001, and Rock Cr, 23-VII-2001 (EPA); MULTNOMAH: Sandy R, 25-VII-2002 (EPA); POLK: Mill Cr, 23-VI-2003 (EPA); TILLAMOOK: Trask R, 5-VIII-2001 (BLAB); UMATILLA: Hidaway Cr, 28-VIII-2001, and Johnson Cr, 30-VII-2001 (BLAB); UNION: Chicken Cr, 30-VIII-2004, and Sheep Cr, 12-VII-2004 (BLAB); WASCO: Eight Mile Cr, 9-VII-1980, Edmunds (PERC); WASHINGTON: Gales Cr, Glenwood, 2-VIII-1994 (USGS); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Ephemeridae

Ephemera simulans Walker

New data.—BENTON: Mary's R, Avery Prk, 25-IV-1972, Marshall (OSU); CLATSOP: Fishhawk Cr, 31-VII-1996 (ODEQ).

Hexagenia limbata (Serville)

Previous data.—Spieth (1941): KLAMATH (Williamson R); Allen (1955): BENTON (Long Tom R, McFadden Pond, Luckiamute R, nr Corvallis, Willamette R), CLACKAMUS (Clackamus), KLAMATH (Williamson R), LANE (Mercer L), MULTNOMAH (Portland).

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 10-VIII-1972, Jewett, A (OSU); DOUGLAS: Carter Lake, 2-II-1986, Wores (CAS), and Roseburg, 15-VI-1960, Ritcher, A (PERC); GILLIAM: Willow Cr, 9-VIII-1990, Fiala, A (BYU); KLAMATH: Klamath Lake, 21-VI-1952, Usinger, and Sprague R, 12 mi E Chiloquin, 30-VI-1951, Malkin (CAS); LANE: Eugene, City Center, 27-V-1988, Smithee, A (BYU); LINN: 0.5 mi E Corvallis, 2-VI-1970, VonCannon, A (PERC), and Asbahr Rd, Corvallis, 12-VIII-1976, Vandriesh, A (OSU), and Muddy Cr, Nixon Rd, 26-VII-1994 (USGS); MULTNOMAH: Tanner Cr, Bonneville Dam, 30-VIII-1988, Fiala, A (BYU); POLK: Sarah Hemlick St Prk, 21-VII-1966, Cornell et al., A (PERC); UMATILLA: 0.5 mi N McNary Dam, 30-V-1996, Nelson, A, L (WSU), and Umatilla, 22-VIII-1988, Fiala, A (BYU).

Heptagenidae

Cinygma dimicki McDunnough

Previous data.—McDunnough (1934): BENTON (Rock Cr); Traver (1935a): BENTON (Corvallis); Lehmkuhl (1979): LANE (Andrews Exper For, Mack Cr); Parsons et al. (1991): LANE (Andrews Exp For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—CLATSOP: Osweg Cr, 2 mi E Elsie, 8-V-1965, Jewett, A (CAS); MARION: Silver Cr, North Falls, Silver Falls St Prk, 24-VI-1974, Arnaud, A (CAS).

Cinygma integrum Eaton

Previous data.—Eaton (1885): HOOD RIVER (Mt Hood); Traver (1934): BENTON (Corvallis); Allen (1955): BAKER (Anthony Lake), BENTON (Arboretum Pond, Lewisburg), CURRY (Gold Beach), HOOD RIVER (Hood R), WALLOWA (Lostine R); LaGasa (1978): UNION (nr LaGrande); Pereira (1980): BENTON (South Fork Berry Cr); Lehmkuhl (1979): BENTON (Oak Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exp For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr); Dietrich and Anderson (2000): BENTON (McDonald-Dunn For).

New data.—BAKER: Eagle Cr, 23-VI-1978, Brigham et al. (PERC), and Velvet Cr, and West Fork Goose Cr, Sanger Mine Rd, 17-V-1977, Baumann (BYU), and Wetmore Rec Area, Hwy 26, NW Unity, 29-VIII-1968, Wold & Wold (OSU); BENTON: 60th St, Corvallis, 10-VI-1996, Anderson, A, and Mary's Peak, Rd 1296, 21-VII-1968, Evans, A, and Parker Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer (PERC), and Yew Cr, Alsea, 5-I-1942, Frison (INHS); CLACKAMAS: Still Cr Campground, Mt Hood, 10-VIII-1955, Jewett, A (OSU); CLATSOP:

Necanicum R, 23-IV-1966 (OSU); COOS: Cape Arago St Prk, 23-VI-1985, Morse (CLEM); CURRY: 1.5 mi N Arizona Beach, Hwy 101, N Brookings, 16-IV-1967, Evans (PERC); DESCHUTES: Deschutes R, Dillon Falls, 8 mi SW Bend, 11-VI-1975, and Tumalo Cr, 10 mi W Bend, 11-VI-1975, Anderson, and Indian Ford Cr, 8-VII-1968, A, and Meadow Lake Campground, 5 mi SW Bend, 17-VI-1967, Lehmkuhl (OSU), and Todd Lake, Century Dr, 23-VIII-1954, Allen (PERC); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans, and Castle Cr, Hwy 230-60 jct, 24-VIII-1954, Allen (PERC); HOOD RIVER: Lost Lake, 12-VII-1985, Edmunds, A (PERC); KLAMATH: South Fork Little Butt Cr, 26-VI-1994, Fitzgerald (PERC); LANE: McKenzie R, 28-VI-1948, Ting, A (PERC); LINCOLN: Needle Branch Cr, 10 mi S Toledo, 28-V-1976, Anderson (OSU); MALHEUR: Malheur R, 5 mi E Harper, 25-V-1954, Allen (PERC); MARION: Silver Falls St Prk, 22-IV-1967, Evans (PERC); MULTNOMAH: Wahkeena Falls, 29-II-1984, Baumann & Nelson (BYU); UMATILLA: Woodward For Camp, Toligate, 28-VIII-1968, Wold & Wold (OSU); UNION: 15 mi NW Elgin, 28-VIII-1968, Wold & Wold (OSU), and Velvet Cr, 23-VI-1978, Brigham & Brigham (PERC); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC); WASHINGTON: Hillboro, 28-IV-1936 (INHS).

Cinygmula gartrelli McDunnough

New data.—JEFFERSON: Metolius R, 1 mi S Camp Sherman, 18-IV-1998, Anderson, A (PERC).

Cinygmula mimus (Eaton)

Previous data.—LaGasa (1978): UNION (nr LaGrande).

New data.—DESCHUTES: Century Dr creek, Sparko Lake/Devils Lake, 1-IX-1977, Anderson (OSU); WALLOWA: Gumboot Cr, 16-VII-1973, Anderson, and Little Sheep Cr, Cloverdale Rd, 28-VIII-1968, Wold & Wold (OSU).

Cinygmula par (Eaton)

Previous data.—Allen (1955): HOOD RIVER (Tilly Jane Cr); LaGasa (1978): UNION (nr LaGrande); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Mack Cr).

New data.—BENTON: Mary's Peak, 14 mi W Corvallis, 19-VI-1964, and Rock Cr, 8-VI-1964, Keyt, and Oak Cr, 23-IV-1963, and Star Cr, 26-IV-1963, Anderson (CAS); CLACKAMAS: Mt Hood Natl For, 23-VII-1946 (INHS); CLATSOP: Necanicum R, 23-IV-1966 (OSU); JEFFERSON: Metolius R, Camp Sherman, 27-VI-1964, Keyt (PERC); MALHEUR: Indian Cr, Jordan Valley, 20-VI-1984 (PERC); WALLOWA: Wallowa R, Wallowa Lake, VIII-1952, Edmunds, A (PERC).

Cinygmula ramaleyi (Dodds)

Previous data.—LaGasa (1978): UNION (nr LaGrande); Parsons et al. (1991): LANE (Andrews Exp For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr).

New data.—CLACKAMAS: Still Creek For Camp, Mt Hood, 30-VIII-1958, Edmunds & Allen, A (CAS); CLATSOP: Gronnel Rd, 2 mi E Elsie, 1-V-1968, Jewett, A (OSU); DESCHUTES: Upper Deschutes R, 30 mi SW Bend, 31-VIII-1977, Anderson (OSU); HARNEY: Steen's Mtns, 14-VIII-1958, Alexander, A

(PERC); HOOD RIVER: East Fork Hood R, Sahalie Falls, 31-VIII-1958, Edmunds & Allen, A (PERC); JEFFERSON: Metolius R trib, 20-VI-1954, Allen (PERC); LAKE: Long Cr, 14-VI-1999, Fields (PERC); LANE: Quartz Cr, 21-X-1982, Courtney, A (OSU); MULTNOMAH: Wahkena Falls, 25-VII-1964, Keyt (CAS).

Cinygmula reticulata McDunnough

Previous data.—McDunnough (1934): BENTON (Luckiamute R), CLACKAMUS (Zigzag), MARION (Marion Cr); Traver (1935a): BENTON (Corvallis); Allen (1955): BENTON (W Corvallis, Rock Cr, Sulfer Springs), JEFFERSON (Metolius R), MULTNOMAH (Wahkeena Falls); Lehmkuhl (1969): BENTON (Oak Cr); JEFFERSON (Metolius R); Lehmkuhl and Anderson (1970): BENTON (Oak Cr), JEFFERSON (Metolius R); Anderson and Hanson (1987): BENTON (Berry Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER: McCully Forks Campground, 21/22-VI-1988, Courtney, A (PERC), and Velvet Cr, and West Fork Goose Cr, Sanger Mine Rd, 17-V-1977, Baumann (BYU); BENTON: Sulpher Springs Rd, 24-V-1999, Opler & Buckner (CSU); CLACKAMAS: Salmon R trib, 2 mi SE Brightwood, 8-III-1986, and Zigzag R, Rhododendron, 8-III-1986, Zack (WSU); COLUMBIA: Clatskanie, 9-V-1936 (INHS); DESCHUTES: Deschutes R, 9-X-1964, A (CAS); DOUGLAS: South Umpqua Falls, 20 mi NE Tiller, 9-VI-1975, Anderson (OSU); MARION: Santiam R trib, 14-III-1934, Edwards & Grey, A (CAS); MULTNOMAH: Wahkeena Cr, V-1989, A (PERC); UNION: Balm Cr, 21-V-1977, Jorgensen (BYU), and Gordon Cr, 2 mi NW Elgin, 12-VI-1974, Anderson (OSU), and Milk Cr Rd, Hwy 203, 8 mi N Medical Springs, 30-V-1970, Tew & Evans (PERC); WALLOWA: Lostine R, 19-V-1977, Baumann & Dunster (BYU), and Wallowa R, Wallowa Lake, 21-VIII-1952, Edmunds (PERC).

Cinygmula tioga Mayo

Previous data.—Allen (1955): CLACKAMUS (Zigzag R).

New data.—BENTON: Mary's R trib, 5 mi SW Philomath, 23-V-1959, Jewett, A (CAS).

Cinygmula uniformis McDunnough

Previous data.—Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER: Powder R, Hwy 7, 27-II-1984, Baumann & Nelson (BYU); BENTON: Berry Cr, 9 mi N Corvallis, 17-V-1964, Keyt (CAS), Oak Cr, 6-V-1999, Girth, and Mary's Peak, 1-VI-1996, Kippenhan, A (PERC); CLACKAMAS: Government Camp, Mt Hood Natl For, 23-VII-1946, Ross (INHS); GRANT: Middle Fork John Day R, 15-V-1999, Girth (PERC); JACKSON: Keene Cr, Rt 66, 10-VI-1975, Anderson (OSU); LINN: Thomas Cr, 4-VI-2001, Girth (PERC); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC).

Ecdyonurus criddlei (McDunnough)

Previous data.—McDunnough (1935) as *Heptagenia otiosa* McDunnough: WASCO (Maupin); Traver (1935a) as *H. rosea* Traver: JACKSON (Gold Hill); Allen (1955) as *H. otiosa*: BAKER (Camp Cr, South Fork Burnt R, West Camp Cr), BENTON (Willamette R), CLACKAMUS (Canyon Cr, Mollala R), CROOK (Ochoco R), DOUGLAS (Umpqua R), GRANT (Canyon Cr, Silvies R, Upper West Fork John Day R), JACKSON (Elk Cr), LANE (Cape Cr, Cummins Cr, Rock Cr), LINCOLN (Fall Cr), LINN (Santiam R), MALHEUR (Sucker Cr Canyon); LaGasa (1978): UNION (nr LaGrande); Harper et al. (1995) as *Nixe rosea* (Traver): LANE (Grasshopper Cr, Quartz Cr).

New data.—BAKER: Powder R, Hwy 7, 29-VIII-1968, Wold & Wold (OSU); BENTON: West Camp Cr, Alpine, 20-VIII-1954, Allen (PERC), and Lobster Cr, 15 mi SW Alsea, 12-VII-1975, Anderson, A (OSU), and Willamette R, VI-1998, Goldhammer (BARS); CLACKAMAS: Firwood Rd, 4 mi W Oregon City, 3, 5-VII-1972, Jewett, A (OSU); CLATSOP: Elk Cr, 23-VII-1975, Hafele, and Gronnel Rd, 2 mi E Elsie, 7-VII-1967, Jewett, A (OSU); COOS: North Fork Coquille R, 10-VIII-1958, Jewett, A (CAS); CROOK: Marks Cr, 24-VII-1974, Arnaud, A (CAS); DOUGLAS: South Umpqua R, 2-IX-1976, Stansbury (OSU); GRANT: Camp Cr, 20-VIII-1954, Edmunds (PERC), and Clear Cr, W Prairie City, Hwy 26, 29-VIII-1968, Wold & Wold, (OSU); JOSEPHINE: Grayback Cr, 28-VIII-1977, Anderson (OSU); KLAMATH: Odell Lake, 17-VIII-1961, Guyer, A (PERC); LAKE: Warner Canyon, 16-VII-1950, Leech, A (CAS); LANE: McKenzie R, VII-2001, and Walteville Div Canal, VII-1998, and Willamette R, VI-1999, Goldhammer (BARS); LINN: Willamette R, VI-1998, Goldhammer (BARS); MARION: Mission Lake, 2-X-1993, Sprills & Sprills (CSU), and Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds (PERC), and Willamette R, VI-1998, Goldhammer (BARS); POLK: Willamette R, VI-1998, Goldhammer (BARS); UNION: 15.3 mi N North Powder, 29-VIII-1968, Wold & Wold (OSU), and Grande Ronde R, La Grande, 30-VII-1936, Ross (INHS); WHEELER: Upper West Fork John Day R, 21-VIII-1954, Edmunds (PERC).

Ecdyonurus simplicoides (McDunnough)

Previous data.—Allen (1955): MORROW (Boardman), SHERMAN (nr Rufus).

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 22-VI-1963, Jewett, A (CAS); DOUGLAS: Roseburg, 15-VI-1960, Ritcher, A, and South Umpqua R, 1 mi E Winston, 6-VI-1985, Stansbury, A (PERC); JOSEPHINE: West Fork Illinios R, Cave Junction, 21-VI-1963, Jewett, A (PERC); LANE: Eugene, 8-VI-1968, Koss, A (PERC); MALHEUR: Middle Fork Malheur R, Hwy 20, 25-VI-1954, Edmunds (PERC); UMATILLA: Umatilla R, 8-V-2000, Newell, A (FLBS).

Epeorus albertae (McDunnough)

Previous data.—Allen (1955): BAKER (Burnt R), BENTON (Mary's R, Oak Cr, Rock Cr, Willamette R), CLACKAMUS (Eagle Fern Prk, Mollala R, Salmon R), DESCHUTES (Deschutes R), DOUGLAS (Canyonville, South Umpqua R, Umpqua R), GRANT (Canyon Cr), JACKSON (Elk Cr), LINCOLN (Alsea R, trib Alsea R), LINN (Calapooya R, Santiam R), WASCO (Mill Cr); Lehmkuhl (1968): BENTON (Oak Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE.

New data.—BENTON: Lobster Cr, 15 mi SW Alsea, 13-VII-1976, Anderson (OSU), and Willamette R, III-1999, Goldhammer (BARS); CLACKAMAS: Milk Cr, 2 mi N Cotton, 25-VII-1964, Keyt (OSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 9-VI-1967, Jewett (OSU); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Upper Rock Cr, 2-VIII-2000 (EPA); CROOK: 8 mi E Prineville, 23-VII-1963, Anderson (OSU); CURRY: 1.5 mi N Arizona Beach, Hwy 101, 16-IV-1967, Evans (PERC); DOUGLAS: Otter Slough, Smith R, 10 mi E Gardner, 14-IV-1964, Vertrees, A (PERC); GILLIAM: Thirtymile Cr, 7-VIII-2000 (EPA); GRANT: Bull Run Cr, 17-VII-2002, and Cottonwood Cr, 8-VIII-2000, and Elk Cr, 18-VII-2001, and Grasshopper Cr, 15-VIII-2000, and Indian Cr, 31-VII-2000, and John Day R, 10-VI-2003, and Middle Fork John Day R, 11-VI-2003, and North Fork John Day R, 7-VI-2001, and North Fork Wind Cr, 31-VII-2002, and Strawberry Cr, 18-VII-2001 (EPA), and Canyon Cr, John Day, 21-VIII-1954, Edmunds (PERC); HARNEY: Willow Cr, 5-VII-1987, Courtney, A (PERC); JEFFERSON: First Cr, 21-IX-1998 (ODEQ); KLAMATH: below confl Spencer Cr & Miners Cr, and Spencer Cr, 5-VIII-2005 (BLAB); LANE: McKenzie R, VII-2001, and Waltherville Div Canal, VII-1998, Goldhammer (BARS), and Middle Fork Willamette R, 17-VI-1958, Johnson, and Row R trib, 25-VII-1957, and Willamette R, 26-VI-1957 (PERC), and Siuslaw R, 28-V-2003 (EPA), and Wildwood Falls, Row R, 25-VI-1985, Baumann et al. (BYU); LINCOLN: Yaquina R, Nashville, 7-V-1936, Starr (OSU); LINN: 3.5 mi E Crabtree, 5-VII-1968, Evans, A (OSU), and Willamette R, III-1999, Goldhammer (BARS); MARION: Drift Cr, 2-VIII-2001 (EPA), and Little Abiqua Cr, Scotts Mills, 9-VIII-1993 (USGS), and Willimette R, VI-1998, Goldhammer (BARS); MORROW: Ditch Cr, 16-VII-2002, and Johnson Cr, 12-VII-2001, and Potamus Cr, 24-VII-2002 (EPA); POLK: Mill Cr, 23-VI-2003 (EPA), and Willimette R, VI-1998, Goldhammer (BARS); UMATILLA: Camas Cr, 16-VII-2002 (EPA), and Umatilla R, Pendleton, 11-VII-1964, Anderson (OSU); WASCO: Barlow Cr, 9-VII-2001 (EPA), and Eight Mile Cr, 9-VII-1980, Edmunds, and Lake White R, Hwy 197, 3-VIII-1984, Scacia, A (PERC); WHEELER: Horseshoe Cr, 9-VII-2002 (EPA).

Epeorus deceptivus (McDunnough)

Previous data.—Allen (1955): BENTON (Oak Cr), WALLOWA (Lostine R, Wallowa R); Lehmkuhl (1968): BENTON (Oak Cr); LaGasa (1978): UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BENTON: Mary's Peak, 6-V-1967, Evans (PERC); CLACKAMAS: Fish Cr, 11-VIII-1999 (ODEQ), and Sandy Cr, 26-VIII-1954, Edmunds, A (PERC), and Winslow Cr, 25-VI-2003 (EPA); CLATSOP: Gronnel Rd, 2 mi E Elsie, 25-VII-1964, Jewett, A (CAS); DESCHUTES: Sparks Lake, Century Dr, 31-VIII-1968, Wold & Wold (OSU); GRANT: Beeman Cr, 19-VII-2001 (EPA); HOOD RIVER: East Fork Hood R, Sahalie Falls, 31-VIII-1958, Edmunds & Allen (PERC); JACKSON: Mt Ashland, 20-VII-1988 (PERC); JEFFERSON: First Cr, 20-VII-1998 (ODEQ); LINN: Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA); TILLAMOOK: Nestucca R trib, 5-IX-2002 (EPA); WALLOWA: Little Sheep Cr, Cloverdale Rd, 28-VIII-1968, Wold & Wold (OSU); WASCO: Barlow Cr, 9-VII-2001 (EPA).

Epeorus dulciana (McDunnough)

New data.—DESCHUTES: Deschutes R, Hwy 20, 6-VIII-1967, Allen (CAS); DOUGLAS: Canyonville, Rt 99, 12-VII-1946, Mulaik (PERC); KLAMATH: Crescent Cr, 17-VI-1958, Johnson (PERC); LANE: Middle Fork Willamette R, 17-VI-1958, Johnson (PERC); WASCO: White R, Hwy 197, 3-VIII-1984, Scacia, A (PERC).

Epeorus grandis (McDunnough)

Previous data.—Allen (1955): HOOD RIVER (Tilly Jane Cr, Timberline Cr), WALLOWA (Wallowa R); LaGasa (1978): UNION (nr LaGrande); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER: Eagle Cr, 23-VI-1978, Brigham et al. (PERC); BENTON: Marys Peak, 5-V-1957, Medred (UCR); CLACKAMAS: Still Cr, Mt Hood, 30-VIII-1958, Edmunds & Allen (PERC), and Fish Cr, 11-VIII-1999 (ODEQ), and Zigzag R, Rhododendron, 8-III-1986, Zack (WSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 7-VI-1966, Jewett, A (OSU); DESCHUTES: Three Cr, 25-VII-2001 (EPA); DOUGLAS: Rough Cr, 15-VII-2003 (EPA); GRANT: Baldy Cr, 30-VII-2001, and Black Canyon Cr, 30-VII-2003, and Indian Cr, 31-VII-2000, and North Fork Wind Cr, 31-VII-2002 (EPA); HOOD RIVER: Cabin Cr, 30-V-1987, Wisseman, and East Fork Hood R, Sahalic Falls, 31-VIII-1958, Edmunds & Allen, and Meadows Cr, 14-VII-1998, A (PERC); JACKSON: Evans Cr, 10-IX-2003 (EPA); LANE: Bear Cr, 21-VIII-2000, and Lane South Fork McKenzie R trib, 5-IX-2002 (EPA), and Fish Cr, 1-X-1992 (ODEQ), and Salt Cr, 7-VI-1958, Johnson (PERC); LINN: Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA), and Quartz Cr, 12-III-1980, Barton (OSU); MARION: Tincup Cr, 1-VIII-2001 (EPA); MULTNOMAH: Wahkeena Falls, 29-II-1984, Baumann & Nelson (BYU); TILLAMOOK: Nestucca R trib, 5-IX-2002 (EPA); UNION: East Fork Eagle Cr, 13-IX-2002 (EPA); WALLOWA: Lostine R, 19-V-1977, Baumann & Dunster (BYU); Wallowa Lake St Prk, 24-IV-1977, Zack & Raffé (WSU); WHEELER: Horseshoe Cr, 9-VII-2002 (EPA).

Epeorus hesperus (Banks)

Previous data.—Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Quartz Cr).

Epeorus longimanus (Eaton)

Previous data.—Allen (1955): BENTON (Arboretum, Corvallis, Mill Cr, Muddy Cr, Oak Cr, Philomath, Rock Cr, Soap Cr, South Fork Mary's R, Woods Cr), COLUMBIA (Scappoose), COOS (Coos R), DESCHUTES (Deschutes R), JEFFERSON (Lake Cr, Metolius R), LINCOLN (Alsea R, Fogerty Cr, Newport, North Fork Alsea R, trib Yaquina R), WALLOWA (Lostine R, Wallowa R); Lehmkuhl (1968): BENTON (Oak Cr); LaGasa (1978): UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION; Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER: South Fork Dixie Cr, 18-VII-2002 (EPA); BENTON: Griffith Cr, 6-IV-1940, Reid, and Yew Cr, 6-V-1940, Schneider (OSU);

CLACKAMAS: Salmon R trib, 2 mi SE Brightwood, 8-III-1986, Zack (WSU), and Winslow Cr, 25-VI-2003 (EPA); CLATSOP: Fishhawk Cr, 31-VII-1996 (ODEQ), and Lewis and Clark R, 5-V-1982, Baumann & Jewett (BYU), and Necanicum R, 23-IV-1966 (OSU); COLUMBIA: Rock Cr, 28-VI-2000 (EPA); COOS: Upper Rock Cr, 2-VIII-2000 (EPA); DESCHUTES: Three Cr, 25-VII-2001 (EPA); DOUGLAS: Elk Cr, 13-V-1976, Stansbury, and South Umpqua Falls, 20 mi NE Tiller, 9-VI-1975, Anderson (OSU), and Rough Cr, 15-VII-2003 (EPA); GRANT: Baldy Cr, 30-VII-2001, and Olive Cr, 24-VII-2002, and Strawberry Cr, 18-VII-2001 (EPA), and Crooked Cr, 6-IV-1940, Sieg (OSU); JEFFERSON: Deschutes R, 13 mi NW Madras, 30-VIII-1958, Edmunds & Allen, and Ochuco Summit, 23-VI-1984, Wisseman (PERC); JOSEPHINE: Whiskey Cr, 27-V-2002, Reeves (PERC); KLAMATH: Crescent Cr, 17-VI-1958, Johnson (PERC); LAKE: Heart Lake, 9-IX-1976 (OSU), and Dismal Cr, 6-VII-2005 (BLAB); LANE: Fish Cr, 18-VIII-1993 (ODEQ), and Goodman Cr, 8-VII-2003 (EPA), and McKenzie R, 9-VI-1976, Anderson & Lehmkühl (OSU), and Middle Fork Willamette R, and Salt Cr, 7-VI-1958, Johnson, and Oak Ridge, VI-1952, Mulaik (PERC); LINCOLN: Fall Cr, 4-V-1940, Sieg, and Mill Cr, 28-IV-1940, Luelf (OSU); LINN: Pyramid Cr trib, 31-VII-2002, and Suttle Camp Cr, 8-VII-2003 (EPA); MARION: Santiam R, Hwy 22, 6-VII-1967, Allen (CAS); Breiten Bush Rd, Breiten Bush, 20-VII-1968, Evans, A (PERC); UNION: Gordon Cr, 2 mi NW Elgin, 12-VI-1974, Anderson (OSU), and Philips Cr, Summerville, 29-V-1970, Evans, and Velvet Cr, 23-VI-1978, Brigham & Brigham (PERC); WALLOWA: North Minah R, 10-IX-2002 (EPA), and Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC); WASCO: Barlow Cr, 9-VII-2001 (EPA), and Beaver Cr, 14-V-1940, Schnieder (OSU); YAMHILL: Niagra Cr, 27-VI-2002 (EPA).

Epeorus permagnus (Traver)

Previous data.—Traver (1935b): HOOD RIVER (Mt Hood); Allen (1955): HOOD RIVER (East Fork Hood R), WASCO (White R).

New data.—BENTON: Yew Cr, 4-VI-1940, Schneider (PERC); CLACKAMAS: Clackamas R, Armstrong Prk, 9-VIII-1968, Evans, A (PERC), and Zigzag R, 18-VI-1933, Dimick (OSU); CLATSOP: 9 mi NW Jewell, 13-III-1956, Lattin (OSU); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC); HOOD RIVER: Polallie Cr, Hwy 35, 31-VIII-1958, Edmunds & Allen (PERC); LANE: Salt Cr, 17-VI-1958, Johnson (PERC); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC).

Heptagenia adaequata McDunnough

New data.—BAKER: Baker, 21-VI-1959, Jewett, A (CAS).

Heptagenia elegantula (Eaton)

Previous data.—Bednarik and Edmunds (1980): Unknown county (Quinalt R).

New data.—DESCHUTES: Deschutes R, Dillon Falls, 8 mi SW Bend, 11-VI-1975, Anderson (OSU).

Heptagenia solitaria McDunnough

Previous data.—Allen (1955): MALHEUR (South Fork Malheur R).

New data.—BAKER: Powder R, Hwy 7, 27-II-1984, Baumann & Nelson

(BYU); BENTON: Lobster Cr, 15 mi SW Alsea, 24-VII-1976, Anderson, A (OSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 31-V-1969, Jewett, A (OSU); DOUGLAS: Schofield Slough, 3 mi E Reedport, 23-IV-1964, Vertrees & Schuh, A (PERC); JEFFERSON: Pelton Dam, 21-VI-1962, Toschi, A (UCB); KLAMATH: Odell Lake, 4-VII-1945 (INHS); LANE: Willamette R, Walker, 26-VI-1957, and Row R trib, 25-VII-1957 (PERC); MALHEUR: Owyhe R, 8 mi below Owyhee Dam, 22-III-2005 (BLAB); WASCO: Deschutes R, Bakeoven Cr, 11-IV-1970, Newton (PERC).

Ironodes arctus Traver

Previous data.—Traver (1935b): CURRY (Winchuck R).

Ironodes californicus (Banks)

New data.—BAKER: Cougar Cr, 5-V-1985, Fiala (BYU); BENTON: 5 mi N Corvallis, 4-II-1958, Sikorowski (WSU), and Oak Cr, 3-V-1966, Lehmkuhl (OSU), and Parker Cr Falls, Mary's Peak, 23-V-1959, Jewett (CAS), and Rock Cr, 5-I-1942, and Yew Cr, Alsea, 5-I-1942, Frison (INHS); CLACKAMAS: 1.5 mi W Zigzag, 27-XII-1995, Durfee (PERC), and 2.1 mi N McNeil For Camp, Mt Hood Rd, 27-VIII-1968, Wold & Wold (OSU), and Salmon R trib, 2 mi SE Brightwood, 8-III-1986, Zack (WSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 7-VI-1966, Jewett, A, and Osweg Cr, 2 mi E Elsie, 21-IV-1968, Jewett, A (OSU); CURRY: Tate Cr, 29-V-2002, Reeves (PERC); DOUGLAS: South Umpqua Falls, 21 mi NE Tiller, 9-VI-1975, Anderson (OSU), and Steamboat Cr, 7-V-1982, Baumann & Cox (BYU); HOOD RIVER: Cabin Cr, 30-V-1987, Wisseman, and Meadows Cr, 14-VII-1998, A (PERC), and East Fork Hood R trib, 27-VIII-1968, Wold & Wold (OSU); JACKSON: Mt Ashland, 20-VII-1988, Wisseman (PERC); JEFFERSON: Ochuco Summit, 23-VI-1984, BW (PERC); LANE: Blue R Res trib, 12-V-1986, A (PERC); MULTNOMAH: Oneonta Cr, 25-IV-1989, Wisseman, A, and Wahkeena Cr, VII-1989, A (PERC), and Wahkeena Springs, 28-VI-1985, Baumann et al. (BYU); UNION: Balm Cr, 21-V-1977, Jorgensen (BYU).

Ironodes lepidus Traver

New data.—LANE: North Belknap Springs, Hwy 126, 22-VII-1967, Evans (PERC); MARION: Silver Falls St Prk, 22-IV-1967, Evans (PERC).

Ironodes nitidus (Eaton)

Previous data.—Eaton (1885): HOOD RIVER (Mt Hood); Allen (1955): BENTON (Greasy Cr, North Fork Alsea R, Oak Cr, South Fork Alsea R, trib Luckiamute R), CLACKAMUS (Still Cr), LINN (Detroit), MULTNOMAH (Beaver Cr, Wahkeena Falls), WALLOWA (Lostine R); Lehmkuhl (1968): BENTON (Oak Cr); Pereira (1980): BENTON (South Fork Berry Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE. Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BENTON: Alsea, Scullen, and Phillips Cr, 25-II-1975, A, and Kings Valley, 11-V-1933, Pretiss & Dimick (OSU), and Corvallis, 19-IV-1931, Scutter, A (CUAC), and Mary's Peak, 1-VI-1996, Kippenhan & LaBonte, A, and Parker Cr Falls, Mary's Peak Rd, 23-VII-2002, Meyer, and Soap Cr, 12-IV-1970, Lynch, and Woods Cr, 24-IV-1948, Hughes (PERC); CLATSOP: Gronnel Rd, 2

mi E Elsie, 29,30-V-1964, Jewett, A (CAS), and Osweg Cr, Gronnel Rd, 25,26-IV-1964, Jewett, A (OSU); DOUGLAS: Canyonville, Rt 99, 13-VII-1946, Muliak (PERC); JACKSON: E Ashland, and Jenny Cr, Hwy 66, Pinehurst, 15-IV-1967, Evans (PERC); JEFFERSON: Lake Cr, 20-VI-1954, Edmunds (PERC); LANE: McKenzie Br Campground, McKenzie, Hwy 126, 18-VII-1975, Folker, and Willamette R, Walker, 26-VI-1957 (PERC); LINCOLN: Flynn Cr, 15-IV-1977, A (OSU); MARION: 5 mi E Detroit, 18-V-1952, Roth, A (OSU), and Silver Falls St Prk, 22-IV-1967, Evans (PERC); MULTNOMAH: Portland, 25-V-1946, Needham (PERC); UNION: 4.5 S LaGrande, Hwy 30, 29-V-1970, Tew & Evans (PERC).

Leucrocuta jewetti (Allen)

Previous data.—Allen (1966): CLATSOP (nr Elsie).

New data.—BENTON: Mary's R, 8-VII-1968, A, and Mary's R, Avery Prk, 20-VI-1968, and Mayr's R, Avery Prk, 1,4, 5-VII-1968, Leymkuhl, L.A (PERC); DOUGLAS: South Umpqua R, 1 mi E Winston, 12-VIII-1985, Stansbury, A (PERC); LINN: 3.5 mi E Crabtree, 5-VII-1968, Evans, A (OSU).

Maccaffertium terminatum (Walsh)

Previous data.—Allen (1955) as *Stenonema tripunctatum* Banks: BAKER (Snake R), JOSEPHINE (Grants Pass).

New data.—BAKER: Burnt R, Dixie, 23-VIII-1952, Edmunds (PERC); BENTON: Long Tom R, 25-VII-1994 (USGS), and Soap Cr, 5 mi NW Corvallis, 12-IV-1970, Lynch (PERC), and Willamette R, 21-IX-2000 (EPA); CLACKAMAS: Pudding R, Aurora, 10-VIII-1995 (USGS); LANE: McKenzie R, IX-2002, and Willamette R, IX-1998, Goldhammer (BARS); LINN: Calapooia R, Albany, 4-VIII-1994, and Lower Muddy Cr, Nixon Rd, 26-VII-1994 (USGS), and Willamette R, VI-1998, Goldhammer (BARS); MALHEUR: Snake R, Nyssa, 29-VIII-1958, Edmunds & Allen, A (PERC), and Owyhee R, upstream Rome boat launch, 8-VIII-2005 (BLAB); MARION: Willimette R, VI-1998, Goldhammer (BARS); POLK: Willimette R, VI-1998, Goldhammer (BARS); WASCO: John Day R, 11-IX-2000 (EPA); WHEELER: John Day R, 23-VII-2002 (EPA).

Nixe kennedyi (McDunnough)

Previous data.—Allen (1955): DOUGLAS (Canyon Cr, South Umpqua R).

New data.—DOUGLAS: Winston, 13/14-VII-1985, Courtney & Stansbury, A (PERC); LINN: Mint Field, VIII-1960, Larson, A (CAS).

Rhithrogena decora Day

New data.—DOUGLAS: Dayo Cr, 1 mi E Days Cr, 9-VI-1975, Anderson (OSU).

Rhithrogena hageni Eaton

Previous data.—Allen (1955) as *R. doddsi* McDunnough: BENTON (Rock Cr), JACKSON (Dead Indian Springs); Porter and Meehan (1987): LANE.

New data.—BAKER: Dixie Cr, Rye Valley Rd, and Powder R, Hwy 7, 27-II-1984, Baumann & Nelson (BYU); BENTON: 5 mi N Corvallis, 4-II-1958, Sikorowski (WSU), and Peak Cr, 30-IX-1992 (ODEQ), and Willamette R, IX-1998, Goldhammer (BARS); CLATSOP: East Humbug Cr, 16-IV-1966, Jewett,

A, and Gronnel Rd, 2 mi E Elsie, 29-VII-1963, Jewett, A (OSU); CROOK: Paulina Cr, 23-VII-1997 (ODEQ); DOUGLAS: South Umpqua R, 29-I-1976, Stansbury (OSU); HOOD RIVER: Horse Head Meadows, 11-VII-1928, McDunnough, A (CUAC); JEFFERSON: Shitike Cr, 10-V-1984 (OSU); LANE: McKenzie R, VIII-2001, and Willamette R, IX-1998, Goldhammer (BARS); LINN: Willamette R, IX-1998, Goldhammer (BARS); MULTNOMAH: Portland, 25-V-1946 (PERC); TILLAMOOK: Oswald West St Prk, 1-I-1983, McClain (BYU); UNION: Balm Cr, 21-V-1977, Jorgensen (BYU).

Rhithrogena morrisoni (Banks)

Previous data.—Allen (1955): BENTON (Corvallis, nr Philomath, Oak Cr, Rock Cr), DESCHUTES (Cline Falls), HOOD RIVER (East Fork Hood R, Polallie R), JACKSON (Indian Springs), JOSEPHINE (Bear Cr), LINN (Calapooya R, Cascadia), UMATILLA (Pendleton); Lehmkuhl (1970): BENTON (Oak Cr); Anderson and Hanson (1987): BENTON (Berry Cr).

New data.—BENTON: McDonald For, 26-III-1994, Opler, A (CSU); CLATSOP: Big Cr, 28-V-1949, A, and Osweg Cr, 2 mi E Elsie, 9-IV-1966, Jewett, A (OSU), and Necanicum R, 12-IV-1947, Jewett, A (PERC); CLATSOP: Gronnel Rd, 2 mi E Elsie, 9-IV-1967, A, and Youngs R, 22-IV-1966, Jewett, A, L (OSU), and South Fork North Fork Klaskanine R, 27-III-1961, Ellis, A (PERC); COLUMBIA: Clatskanie, 9-V-1936 (INHS); DOUGLAS: Roseburg, 6-VI-1966, Vertrees, A (CAS); JACKSON: Rogue R, 5-VII-1967, Allen (CAS); JEFFERSON: Canyon Cr, Hwy 12, 13-VII-1996, Ruitter, A (PERC), and Pelton Dam, 24-VI-1962, Toschi, A (UCB); LANE: McKenzie R, 9-V-1936, Lambuth, A (CAS), and Salt Cr, Kelsey Br, Hwy 58, 13-V-1968, Evans, A, and Willamette R, Walker, 25-VI-1957 (PERC); LINN: 5 mi N Albany, 5-V-1970, Smith, A, and 12 mi E Lebanon, Hwy 20, 25-V-1970, VonCannon, A (PERC), and Puzzle Cr, 6-VIII-1968, Evans, A (OSU); MARION: 4 mi N Mehama, 30-VI-1969, Evans, A (PERC), and Santiam R, Jefferson, 2-IV-1966, Jewett, A (OSU).

Rhithrogena robusta Dodds

Previous data.—Allen (1955): CLACKAMUS (Still Cr); LaGasa (1978): UNION (nr LaGrande); Porter and Meehan (1987): LANE. Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—BAKER: Eagle Cr, 23-VI-1978, Brigham et al. (PERC); BENTON: Mary's Peak, 6-V-1967, Evans (PERC), and Peak Cr, 30-IX-1992 (ODEQ); CLACKAMAS: Little Zigzag R, 27-VIII-1954, Allen (PERC); DESCHUTES: Century Dr, Sparko Lake, Devils Lake, 1-IX-1977, Anderson (OSU); HOOD RIVER: E Fk Hood R, 27-VIII-1954, Allen (PERC), and Mt Hood, Homestead Inn, 2-VII-1927, Van Dyke, A (CUAC); JEFFERSON: Metolius R, 9-VII-1952, Jewett, A (CAS); WALLOWA: Lostine R, 18-VIII-1952, Edmunds, and Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC).

Rhithrogena undulata (Banks)

Previous data.—Traver (1935a): BENTON (Aalsea); Allen (1955): BENTON (Soap Cr), DESCHUTES (Deschutes R, Tumalo Res), UNION (Umatilla Natl For).

New data.—BENTON: North Fork Rock Cr, Mary's Peak, 28-VIII-1998,

Fitzgerald, A (PERC); CLATSOP: Osweg Cr, 2 mi E Elsie, 8,9-V-1965, Jewett, A (CAS); LINN: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds (PERC); MARION: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds (PERC); UMATILLA: Umatilla R, Thornhollow, 29-V-1970, Evans & Tew, A (PERC); WALLOWA: Minam R, and Wallowa R, 15-VII-2000, Newell, A (FLBS), and Wallowa R, Wallowa Lake, 21-VIII-1952, Edmunds (PERC); WASCO: Maupin, 30-IX-1984, Scacia, A (PERC).

Rhithrogena virilis McDunnough

New data.—UNION: Big Cr, 2 mi S Medical Springs, 27-II-1984, Baumann & Nelson, and Catherine Cr, Catherine Creek St Prk, 17-V-1977, Baumann (BYU); WALLOWA: Lostine R, 19-V-1977, Baumann & Dunster (BYU).

Isonychiidae

Isonychia velma Needham

Previous data.—Kondratieff and Voshell (1984): BENTON (Willamette R), LINN (Foster, Santiam R, Willamette R).

New data.—COOS: 5 mi S Bridge, 1-VIII-1968, Evans (OSU), and North Fork Coquille R, 9-VIII-1958, Jewett, A (PERC); CURRY: Chetco R, 26-IX-1935 (CUAC); DOUGLAS: Cow Cr, Riddle, 8-IX-1975, and South Umpqua R, 5-IX-1975, Stansbury (OSU), and South Fork Umpqua R, Hwy 227, 23-IX-1967, Evans (PERC); LINN: 10 mi E Sweet Home, 24-VIII-1966, Bedea (OSU), and Calapooia R, Albany, 4-VIII-1994, and Lower Muddy Cr, Nixon Rd, 26-VII-1994 (USGS), and Williamson R, 22-X-1937, Crawford, A (PERC); MARION: Santiam R, 8 mi N Albany, 26-VIII-1954, Allen (PERC).

Leptohyphidae

Asioplax edmundsi (Allen)

New data.—BENTON: Willamette R, VII-2001, Goldhammer (PERC); DOUGLAS: South Umpqua R, 10-VI-1976, Stansbury (OSU); LINN: Willamette R, IX-2002, Goldhammer (BARS).

Tricorythodes explicatus (Eaton)

New data.—MALHEUR: Snake R, 7-VIII-1965, Edmunds (PERC).

Tricorythodes minutus Traver

Previous data.—Allen (1955) as *T. fallax* Traver: BAKER (Burnt R, South Fork Burnt R), BENTON (Mary's R, Oak Cr, Willamette R), COOS (Myrtle Grove St rkp), CROOK (Crooked R, Ochoco R), GRANT (Canyon Cr, Silvies R, Upper South Fork John Day R), KLAMATH (Williamson R), MALHEUR (nr Vale, Malheur R), UNION (Grande Ronde R); Allen and Murvosh (1987): DESCHUTES (Deschutes R); Anderson and Anderson (1995): WHEELER (Bridge Cr).

New data.—BENTON: Willamette R, VI-1998, Goldhammer (BARS); CLATSOP: Gronnel Rd, 2 mi E Elsie, 14/15-VI-1969, Jewett, A (OSU); CURRY: Twomile Cr, 22-VI-1994 (ODEQ); DESCHUTES: Elk Lake, 16-VIII-1935, A (OSU); DOUGLAS: Diamond L, 1-IX-1988, Goodwin, A, and South Umpqua R, 1 mi E Winston, 6-VI-1985, Stansbury, A (PERC); JACKSON: Applegate R, 8 mi W Ruch, 29-VIII-1977, Anderson (OSU); JOSEPHINE: Illinois R, 14-VII-

1985, Courtney, A (PERC); KLAMATH: Homedale St, Klamath Falls, 30-VIII-1977, Anderson (OSU), and Klamath R, VIII-1952 (PERC); LANE: McKenzie R, 1-IX-2001, and Willamette R, IX-1998, Goldhammer (BARS); MARION: Willimette R, VI-1998, Goldhammer (BARS); POLK: Willimette R, VI-1998, Goldhammer (BARS); UMATILLA: 27 km E Ukiah, Hwy 244, Frazier Camp-ground Rd, 24-VII-1974, Arnaud, A (CAS), and Spring Hollow Cr, 30-VIII-2000 (BLAB); WASCO: White R conf, 10-VII-1984, Scacia, A (PERC).

Leptophlebiidae

Choroterpes albiannulata McDunnough

Previous data.—Allen (1955): GRANT (John Day R); McCafferty (1992): GRANT (John Day R).

Leptophlebia cupida (Say)

New data.—BENTON: Berry Cr, 29-III-1977 (OSU); JOSEPHINE: Selmac Lake, 16-IV-1967, Evans (PERC); KLAMATH: Little Deschutes R, Gilchrist, 10-VI-1975, Anderson (OSU); LAKE: Dry Cr, 5-VI-1999, Fields (PERC); LINN: Colorado Lake, 2-VII-1938, Crawford (INHS).

Leptophlebia nebulosa (Walker)

New data.—BENTON: 3.5 mi N Corvallis, 20-IV-1970, Hay, A (PERC).

Leptophlebia pacifica (McDunnough)

Previous data.—McDunnough (1933): BENTON (Corvallis); Traver (1934): BENTON (Corvallis); Allen (1955): BENTON (Dixie Cr, Mary's R, Muddy Cr, Oak Cr, Oak Pond, Rock Cr, Willamette R), JEFFERSON (Lake Cr), LINCOLN (Steer Cr), LINN (Owl Cr, nr Lacomb); Anderson and Hanson (1987): BENTON (Berry Cr); Burian (2001): BENTON (Alsea R, Berry Cr, Brooklane Pond, Corvallis, Lewisburg, Oak Cr, Philomath, Woods Cr), LINN (Albany, Marion Cr, Calapooya Pond, Colorado Lake), WASHINGTON (Forest Grove, Hillsboro), YAMHILL (Dayton).

Paraleptophlebia aquilina Harper and Harper

Previous data.—Harper and Harper (1986): LANE (Grasshopper Cr, Mack Cr, Quartz Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For).

Paraleptophlebia bicornuta (McDunnough)

Previous data.—Allen (1955): BENTON (Willamette R), CLACKAMUS (Clackamus R, Mollala R), DOUGLAS (South Umpqua R, Umpqua R), GRANT (Canyon Cr, Upper West Fork John Day R), JACKSON (Rogue R), JOSEPHINE (South Fork Illinois R), LANE (Cape Cr, Cummins Cr, Rock Cr), LINCOLN (Alsea R, Fall Cr), LINN (Santiam R), UMATILLA (Meachum); Lehmkuhl and Anderson (1971): BENTON (Oak Cr); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION.

New data.—BAKER: South Fork Burnt R, 2 mi W Unity, 20-VIII-1954, Allen (PERC); BENTON: Lobster Cr, 15 mi SW Alsea, 3-VIII-1975, Anderson (OSU), and Willamette R, VI-1998, Goldhammer (BARS); CLATSOP: Elk Cr, 15-IX-1976, Anderson, and Gronnel Rd, 2 mi E Elsie, 20-IX-1965, Jewett, A

(OSU); JOSEPHINE: Greyback Cr, 28-VIII-1977, Anderson (OSU); LAKE: North Fork Crooked R, 27-VII-1963 (OSU); LANE: Lookout Cr, Blue R, 30-X-1970, Anderson (OSU), and McKenzie R, VII-2001, and Willamette R, VI-1999, Goldhammer (BARS); LINN: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds (PERC), and Willamette R, VI-1998, Goldhammer (BARS); MARION: Santiam R, 8 mi N Albany, 26-VIII-1954, Edmunds (PERC), and Willamette R, VI-1998, Goldhammer (BARS); POLK: Helmick St Pk, 5 mi S Monmouth, 22-VIII-1968, Lehmkuhl (PERC), and Willamette R, VI-1998, Goldhammer (BARS); UNION: 15.3 mi N North Powder, 29-VIII-1968, Wold & Wold (OSU), and Grande Ronde R, LaGrande, 30-VII-1936, Ross (INHS), and Meadow Cr, 29-VIII-1997 (ODEQ).

Paraleptophlebia brunneipennis (McDunnough)

New data.—BENTON: Corvallis, 31-V-1931, Scullen, A (CUAC).

Paraleptophlebia debilis (Walker)

Previous data.—Traver (1934): BENTON (Corvallis); Allen (1955): BENTON (Long Tom R, McFadden Pond, Rock Cr, Woods Cr), CLATSOP (Nehalem R), CROOK (Ochoco R), JEFFERSON (Metolius R), LANE (Mercer Lake), WASHINGTON (Dairy Cr); Anderson and Lehmkuhl (1968): BENTON (Oak Cr); Lehmkuhl and Anderson (1971): JEFFERSON (Metolius R); LaGasa (1978): UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr); Porter and Meehan (1987): LANE, UNION. Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Anderson and Anderson (1995): WHEELER (Bridge Cr); Harper et al. (1995): LANE (Mack Cr, Quartz Cr); Dietrich and Anderson (2000): BENTON (McDonald-Dunn For).

New data.—BENTON: Alder Creek Falls, Mary's Peak Rd, 23-VII-2002, Meyer (PERC), and Maxfield, 24-V-1941, Klein, A (OSU); CLATSOP: Elk Cr, 15-IX-1975, Anderson, and Gronnel Rd, 2 mi E Elsie, 22-VI-1968, Jewett, A (OSU), and Klaskanine Fish Hatchery, 28-VII-1968, Evans, A (PERC); CROOK: McKay Cr, Prineville, 28-VII-1963, Anderson (CAS); CURRY: 1.5 mi N Arizona Beach, Hwy 101, 16-IV-1967, Evans (PERC); HOOD RIVER: Lost Lake, 12-VII-1985, Edmunds, A.L (PERC); LAKE: Coyote Cr, 24-VIII-1999, Fields (PERC), and Dairy Cr, 24 mi NE Bly, 24-IX-1967, Schuh, A (OSU); LANE: Sutton Cr, Sutton L, 25-VIII-1954, Edmunds (PERC); LINN: 3.5 mi E Crabtree, 5-VII-1968, A, and East Marion Forks, 6-VIII-1968, Evans, A, and Quartzville Rd, 18-X-1976, Anderson, and Santiam R, Lebanon, 11-VI-1934, Gray, A (OSU) and North Fork Santiam R, Parrish Lake Rd, 5-IX-1968, Evans (PERC); POLK: Grande Ronde, 6 mi W LeGrand, 28-VIII-1954 (PERC); UNION: Meadow Cr, 29-IV-1997 (ODEQ); WALLOWA: Wallowa Lake St Prk, 30-V-1970, Tew & Evans (PERC); WASHINGTON: Hillsboro, 13-VI-1933, Roat, A (OSU); YAMHILL: Peavine Ridge, McMinnville, 29-VIII-1946 (INHS).

Paraleptophlebia falcula Traver

Previous data.—Allen (1955): BENTON (Corvallis); LaGasa (1978): UNION (nr LaGrande).

New data.—UMATILLA: South Fork Walla Walla R, 7-VIII-1998, Newell, A (FLBS); UNION: 9 mi N Elgin, Hwy 204, 9-VII-1968, Evans, A (OSU).

Paraleptophlebia gregalis (Eaton)

Previous data.—Eaton (1884): HOOD RIVER (Mt Hood); Allen (1955): BENTON (Arboretum Pond), CLACKAMUS (Walker Cr), CURRY (Humbug

Mtn, Pistol R), YAMHILL (Peavine Ridge); Lehmkuhl and Anderson (1971): BENTON (Oak Cr), JEFFERSON (Metolius R); Anderson and Hanson (1987): BENTON (Berry Cr); Mattingly (1987): BENTON (North Fork Berry Cr); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Dieterich and Anderson (1995): BENTON (McDonald-Dunn For); Harper et al. (1995): LANE (Mack Cr, Quartz Cr); Dieterich et al. (1997): BENTON (Jackson Cr).

New data.—BENTON: 60th St, Corvallis, 30-IV-1997, Anderson, A (PERC); CLACKAMAS: Bull Run, 21-VI-1933, Dimick, A (OSU); LANE: Grasshopper Cr, 2-IX-1982, Courtney, A (OSU); LINCOLN: Needle Branch Cr, 10 mi S Toledo, 1-VII-1964 (OSU); POLK: Helmick St Prk, 5 mi S Monmouth, 6-IX-1970, Evans (PERC); UNION: Meadow Cr, 31-VII-1997 (ODEQ); WASCO: Badger Cr, 22-VIII-1984, and Barlow Cr, 13-VIII-1984, Scacia, A (PERC).

Paraleptophlebia heteronea (McDunnough)

Previous data.—Allen (1955): MALHEUR (South Fork Malheur R); LaGasa (1978): UNION (nr LaGrande); Porter and Meehan (1987): LANE, UNION.

New data.—BENTON: McDonald For, 5 mi N Corvallis, 4-II-1958, Sikorowski (WSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 10-V-1969, Jewett, A (OSU); LAKE: Schmidt Farm, S Summer Lake, 3-VI-1967, Evans (PERC); UMATILLA: Umatilla R, Thorn Hollow, 29-V-1970, Evans & Tew, A (PERC).

Paraleptophlebia memorialis (Eaton)

Previous data.—Allen (1955): BENTON (Corvallis), CLATSOP (Young's R), GRANT (Johnny Kirk Springs); LaGasa (1978): UNION (nr LaGrande).

New data.—BAKER: Powder R, Hwy 7, 27-II-1984, Baumann & Nelson (BYU); BENTON: Beaver Creek Rd, Hwy 34, 2-V-1970, Evans (PERC), and Dixon Cr, Corvallis, 5-VII-1942, Frison (INHS); COLUMBIA: Clatskanie, 9-V-1936 (INHS); DESCHUTES: Deschutes R, Tumalo St Prk, 25-VI-1954, Edmunds (PERC); DOUGLAS: 4 mi W Scottsburg, Hwy 38, 17-IV-1967, Evans (PERC); HOOD RIVER: Cabin Cr, 30-V-1987, Wisseman (PERC); JACKSON: Keene Cr, Rt 66, 10-VI-1975, Anderson (OSU); JEFFERSON: Metolius R, 20-IX-1966, DML (OSU), and Ochuco Summit, 23-VI-1984, Wisseman (PERC); JOSEPHINE: Whiskey Cr, 27-V-2002, Reeves, A (PERC); LANE: 11 mi NE Blue R, 9-VI-1976, and Devils Club Cr, 9-VI-1976, Anderson & Lehmkuhl, and McKenzie R, 8-VI-1976, Anderson (OSU); LINCOLN: Flynn Cr, 13-V-1977, and Needle Branch Cr, 28-V-1976, Anderson (OSU); LINN: 5 mi NE Blue R, 9-VI-1976, Anderson & Lehmkuhl (OSU); MARION: Silver Falls St Prk, 23-VI-1974, Arnaud, A (CAS); MULTNOMAH: Wahkeena Springs, 28-II-1984, Baumann & Nelson (BYU); UNION: Balm Cr, 21-V-1977, Jorgensen (BYU); WALLOWA: Gumboot Cr, 13-VII-1973, Anderson (OSU).

Paraleptophlebia placeri Mayo

New data.—BENTON: Lobster Cr, 15-VII-1975, Anderson (OSU); CLATSOP: Elk Cr, 15-IX-1976, Anderson (OSU); JOSEPHINE: Grayback Cr, 28-VIII-1977, Anderson (OSU); LINCOLN: Needle Branch Cr, 28-V-1976, Anderson (OSU); UNION: Grande Ronde R, La Grande, 30-VII-1936, Ross (INHS).

Paraleptophlebia rufivenosa (Eaton)

Previous data.—Eaton (1884): HOOD RIVER (Mt Hood).

Paraleptophlebia sculleni Traver

Previous data.—Traver (1934): BENTON (Corvallis); Allen (1955): JACKSON (Sardine Cr); Lehmkuhl and Anderson (1971): BENTON (Oak Cr), JEFFERSON (Metolius R); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr).

New data.—CLATSOP: Gronnel Rd, 2 mi E Elsie, 11-VII-1965, Jewett, A (CAS); MARION: Niagara, Hwy 22, 6-IX-1968, Evans, A (PERC).

Paraleptophlebia temporalis (McDunnough)

Previous data.—Allen (1955): BENTON (Corvallis, Oak Cr, Soap Cr), CO-LUMBIA (Milton Cr), JEFFERSON (Metolius R), LINCOLN (Siletz R); Lehmkuhl (1969): BENTON (Oak Cr), JEFFERSON (Metolius R); Lehmkuhl and Anderson (1971): BENTON (Oak Cr), JEFFERSON (Metolius R); Anderson and Hanson (1987): BENTON (Berry Cr); Mattingly (1987): BENTON (North Fork Berry Cr); Porter and Meehan (1987): LANE, UNION. Parsons et al. (1991): LANE (Andrews Exper For); LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr, Quartz Cr); Dietrich and Anderson (2000): BENTON (McDonald-Dunn For).

New data.—BENTON: 60th St, Corvallis, 27-IV-1997, A, and Phillips Cr, Lobster Valley, 22-V-1976, Anderson, A (OSU); CLATSOP: Gronnel Rd, 2 mi E Elsie, 7-VII-1967, Jewett, A (OSU); GRANT: John Day R, 6-VII-1984, Scacia, A (PERC); JEFFERSON: Agency, 24-V-1934, Gray, A (OSU); LINCOLN: Needle Branch Cr, 10 mi S Toledo, 24-IV-1974, Anderson (OSU); MARION: Silver Falls St Prk, 23-VI-1974, Arnaud, A (CAS); UNION: Gordon Cr, 2 mi NW Elgin, 12-VI-1974, Anderson (OSU), and Meadow Cr, 31-VII-1997 (ODEQ).

Paraleptophlebia vaciva (Eaton)

Previous data.—Eaton (1884): HOOD RIVER (Mt Hood); Allen (1955): KLAMATH (Crater Lake); Parsons et al. (1991): LANE (Andrews Exper For), LINN (Andrews Exper For); Harper et al. (1995): LANE (Grasshopper Cr, Mack Cr).

New data.—BAKER: Powder R, Hwy 203, 27-II-1984, Baumann & Nelson (BYU); BENTON: Mary's Peak Rd, 28-II-1984, Baumann & Nelson (BYU), and Oak Cr, 23-IV-1963, Anderson (CAS), and Willamette R, V-2004, Goldhammer (BARS); HOOD RIVER: Mt Hood Meadows Ski Area, 14-VII-1998, A (PERC); JEFFERSON: Metolius R, 27-VI-1964, Anderson (CAS); LAKE: Coyote Cr, 6-VI-1999, Fields (PERC); LANE: McKenzie R, VII-2001, Goldhammer (BARS); LINN: Willamette R, XII-2000, Goldhammer (BARS); MULTINOMAH: Wahkeena Cr, 8-V-1983, and Wahkeena Falls, 6-IV-1985, Fiala (BYU).

Polymitarcyidae

Ephoron album (Say)

Previous data.—Allen (1955): MALHEUR (Malheur R).

New data.—MALHEUR: Snake R, at Payette, 7-VIII-1965, Edmunds (PERC under Idaho).

Siphonuridae

Siphonurus columbianus McDunnough

Previous data.—Allen (1955): BENTON (Brook Lane Pond, Mary's R), DESCHUTES (Sheep Cr).

New data.—BAKER: Goose Cr, 23-VI-1978, Brigham & Brigham (PERC); BENTON: Corvallis, 10-IV-1950, Downing, A (OSU), and Jackson-Frazier Wetland, 13-IV-2004, Girth, A (PERC); CROOKS: Mark Cr, 15-VI-1974, Anderson, A (OSU); DESCHUTES: Lapine, 26-VI-1952, Schlinger, A (UCD); DOUGLAS: South Umpqua R, 17-VI-1976, Stansbury (OSU); HARNEY: Burns, 16-V-1959, Harmston (PERC); JOSEPHINE: Selmac Lake, 16-IV-1967, Evans (PERC); LAKE: Chandler St Prk, 27-V-1957, A, and Paisley, 28,29-VI-1957, Malkin, A (CAS), and Chewavean Marsh, Hwy 31, 3-VI-1967, and Schmidt Farm, S Summer Lake, 3-VI-1967, Evans, and Valley Falls, 16-V-1959 (PERC); LINN: 0.75 mi E Tombstone, 15-V-1970, Fisher, and 5 mi E Corvallis, 29-IV-1970, Rowan, and Butte Cr trib, 15-iv-2004, Girth (PERC); MULTNOMAH: Bridal Veil Cr, 30-IV-1983, Fiala (BYU); UNION: Grand Ronde R trib, Hwy 82, 31-V-1970, Tew & Evans (PERC).

Siphonurus occidentalis (Eaton)

Previous data.—Allen (1955): BAKER (Anthony Lake), BENTON (Arboretum, Corvallis, Hamilton Lake, Lafellete Pond, Lewisburg, Mary's R, McFadden Pond, Monroe, Muddy Cr, Oak Cr, Peoria Ferry, Philomath, Rock Cr, Soap Cr, Willamette R, Woods Cr), DESCHUTES (Green Lake), HARNEY (Burns, Frenchglen, Manns Lake). LAKE (nr Lakeview), LANE (Triangle Lake), LINN (Calapooya R, nr Tangent, Tangent), POLK (Monmouth), WALLOWA (Lostine R), YAMHILL (Peavine Ridge); LaGasa (1978): UNION (nr LaGrande); Anderson and Hanson (1987): BENTON (Berry Cr).

New data.—BENTON: Calapooya Pond, 20-III-1938, Mathisen, A (OSU), and Russel's Hatchery, 6-V-1937 (INHS), and Sulpher Springs Rd, 24-V-1990, Oplor (CSU); CLACKAMAS: Still Cr, 8-VIII-1977, Edmunds & Edmunds, A (PERC); GRANT: Riley Cr, 16-V-1959, Harmstom, and Silvies R, 31-V-1946, Needham, A (PERC); HARNEY: Steens Mtns, 24,25-VI-1951, Malkin, A (CAS), and Trout Cr, 20 mi SW Field, 29-V-1982, Kerr, A (OSU); HOOD RIVER: Meadows Cr, 14-VII-1998, A (PERC); JACKSON: Rogue R, Hwy 230/62 jct, 24-VIII-1954, Edmunds (PERC); LAKE: Dry Cr, 5-VI-1999, Fields (PERC), and Paisley, 16-VI-1938, Schuh & Gray, A (INHS); LANE: Willamette R, Eugene, 5-V-1978 (INHS); LINN: Colorado Lake, 2-IV-1938, Crawford (INHS); MALHEUR: Indian Cr, Jordan Valley, 20-VI-1984, Wisseman, A (PERC); POLK: Hamilton Lake, 5-VI-1938, Sand, A (OSU); UMATILLA: Swamp Cr, 28-VIII-1998, Newell (FLBS).

Siphonurus spectabilis Traver

New data.—LAKE: Al Cr, 4-VI-1999, Fields (PERC), and Paisley, 16-VI-1938, Schuh & Gray (INHS); LINN: Quartzville Cr, 10-VIII-1975, Anderson (OSU).

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