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Research Publications of the H.J. Andrews Experimental Forest, Cascade Range, Oregon, 1948 to 1986



Compilers

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Research Publications of the H .J. Andrews Experimental Forest, Cascade Range, Oregon, 1948 to 1986

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Abstract

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A list of publications resulting from research at the H.J. Andrews Experimental Forest, Willamette National Forest, Oregon, from 1948 to 1986 is presented. Nearly 600 publications are listed, including papers, theses, and abstracts. An index is provided that cross-references the listings under appropriate keywords.

Keywords: Bibliographies (forestry), Oregon (H.J. Andrews Exp. For.), H.J. Andrews Exp. For.—Oregon.

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Introduction

This bibliography covers the period from establishment of the H.J. Andrews Experimental Forest, in 1948, to 1986, and the publications reflect the evolving of the research program at the Forest. The first research efforts focused on efficiency of logging and road systems and success of forest regeneration. During the 1960's, the emphasis shifted to watershed studies that examined the effects of logging on water yield and quality. Beginning about 1970, the focus shifted to ecosystems, and studies of nutrient cycling, energy flow, and community dynamics were started.

Use of the H.J. Andrews Forest grew rapidly during the 1970's as a result of increased support from the National Science Foundation (NSF) through the International Biological Program and grants for individual projects. Further expansion of ecosystem research has occurred during the 1980's with the NSF-funded Long-Term Ecological Research Program, and research in applied forestry has increased. A balance currently exists between silvicultural and ecosystem studies. Results of research at the H.J. Andrews Forest have been widely reported, as evidenced by the nearly 600 listings in this bibliography.

We have tried to include all relevant literature, so all papers, theses, and published abstracts that have resulted from research at the H.J. Andrews Forest and nearby research natural areas are listed. We have also listed papers that include analyses of data or taxonomic studies of collections from the Forest. Some literature may have been omitted inadvertently. Please bring additional publications to our attention so that the next compilation will be more complete.

The publications are arranged alphabetically by author, by date, and by title. Authors' names are given exactly as they appear on the publication. Thus, a publication with initials for the primary author's first name will be listed before one with the first name spelled out, even if the paper was published at a later date. For example, Hawkins, C.P. (1983) occurs before Hawkins, Charles (1981).

An index is provided after the bibliography. Publications are listed alphabetically by author under appropriate keywords, and most listings are cross-referenced. All publications in the bibliography are listed in the index.

We regret that reprints of listed items cannot be obtained from a central location. Many papers are available from libraries. Others may be obtained from the authors or from the Pacific Northwest Research Station. If copies are not available from any of those sources, single requests can be addressed to the H.J. Andrews Experimental Forest, Forest Science Department, Oregon State University, Corvallis, OR 97331. Because we make photocopies from our files, we ask that this service be used as a last resort.

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Index

Administration

: McKee 1984

Algae (see also periphyton):

Aho and others 1973; Bernstein and others 1973; Carroll 1981a; Carroll and others 1980; Gregory 1976, 1978b; Lyford and Gregory 1975; Pereira and others 1982; Triska and others 1982; Triska and Sedell 1976; Ward 1985

Alluvial deposits:

Hawk 1973a; Hawk and Zobel 1974; Swanson and James 1973, 1975a, 1975b

Amphibians:

Hall and others 1978; Hawkins and others 1983; Murphy and Hall 1981; Nussbaum and Clothier 1973; Peacock and Nussbaum 1973

Autecology:

McKee in press

Bacteria:

Buckley and Triska 1978; Cromack and others 1975, 1977a; Silvester and others 1982; Wells and others 1979

Bibliography:

Black 1971; Black and Taber 1977; Fogel 1973, 1975a; Grafius and Anderson 1973; Jackman and Scott 1975; Strand 1972

Biomass:

Algae:

Aho and others 1973; Gregory 1978a, 1978b, 1983; Lyford and Gregory 1975; McIntire and Colby 1978; Murphy and others 1981; Sedell and others 1973

Conifers:

Addor 1972; Dale and others 1984; Denison and others 1972; Edmonds 1975, 1977; Franklin and Waring 1980; Fujimori and others 1976; Grier and others 1974; Grier and Logan 1977; Grier and Waring 1974; Hemstrom and Adams 1982; Johnson and others 1982; Kline and others 1972, 1973; Long 1982; Overton and others 1973a; Pike and others 1977; Rounick and Gregory 1981; Running and others 1986; Stafford and others 1984; Thomas and others 1979; Waring 1980a, 1980b, 1983; Waring and others 1978a; Waring and Franklin 1979; Waring and Running 1978; Webb and others 1983

Invertebrates:

Aho and others 1973; Anderson and others 1978; Grafius and Anderson 1980; Hawkins 1981, 1982; Hawkins and others 1982, 1983; Hawkins and Sedell 1981; McBrayer and others 1977; McIntire and Colby 1978; Murphy and others 1981; Murphy and Hall 1981; Sedell and others 1973, 1975; Strand 1971, 1974; Triska and Buckley 1978; Triska and others 1982

Lichens:

Howe 1978; Pike 1978, 1981; Pike and others 1972, 1977; Rhoades 1977, 1978, 1983

Microbial epiphytes:

Bernstein 1974; Bernstein and Carroll 1977b; Carroll 1973, 1979, 1981a; Carroll and others 1980; Pike and others 1972, 1977; Swisher and Carroll 1980; Wicklow and Carroll 1981

Mosses:

Binkley and Graham 1981; Pike and others 1972, 1977

Roots:

Harris and others 1980; Hermann 1973; Long 1982; Overton and others 1973a; Santantonio 1974, 1981, 1982; Santantonio and others 1977; Santantonio and Hermann 1985

Vascular plants (except conifers):

Campbell and Franklin 1979; Gholz 1978, 1979, 1982; Gholz and others 1976, 1977, 1979, 1984; Grier and Logan 1977; Hawk and others 1978; McNabb and Cromack 1983; Webb and others 1983

Vertebrates:

Aho and Hall 1976; Forsman and others 1984; Hall and others 1978; Hawkins 1981; Hawkins and others 1983; McIntire and Colby 1978; Murphy and others 1981; Murphy and Hall 1981; Naiman and Sedell 1981; Strand 1974; Triska and others 1982; Wiens and Nussbaum 1975

Woody debris:

Harmon and others 1986; Means and others 1984, 1985; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1982

Biosphere reserves:

Franklin 1972, 1976, 1977a, 1979a; Hemstrom and Franklin 1981

Birds:

Forsman 1976, 1980; Forsman and others 1984; Gashwiler 1961, 1967, 1970a; Gashwiler and Ward 1966, 1968; Jackman and Scott 1975; Parsons 1975; Strand 1974; Wiens and Nussbaum 1975

Canopy communities:

Carroll 1980; Denison 1973; Strand 1974; Strand and Nagel 1972; Voegtlin 1982; Waring and Edmonds 1974

Carbon cycling:

Anderson and others 1984a; Aumen and others 1983; Coniferous 1977; Dahm 1984; Dahm and others 1981; Edmonds 1974, 1975, 1977; Gilmour and others 1973; Gregory 1983; Hawk and others 1978; Minshall and others 1983; Moeller and others 1979; Santantonio 1981, 1982; Sedell 1972; Sollins and others 1974, 1979, 1982; Strand 1973b, 1974; Strand and Nagel 1972; Triska and others 1982; Vannote and others 1980; Ward 1984; Waring 1973a, 1973b; Waring and Edmonds 1974; Wiens and Nussbaum 1975

Clearcuts (see also timber harvesting):

Christner and Harr 1982; Franklin 1961a, 1963; Franklin and others 1982; Fredriksen 1970; Gashwiler 1965b, 1967, 1970a, 1970b, 1971a; Gratkowski 1956; Gregory 1976; Harr and Berris 1983; Harr and others 1982; Harr and McCorison 1979; Harris and others 1982; Helgerson and others 1984; Miller and others 1976; Murphy and others 1981; Murphy and Hall 1981; Rothacher 1970, 1971, 1973; Schoenberger and Perry 1982; Silen 1952; Silen and Gratkowski 1953; Sullivan 1976, 1978; Swanson and Dyrness 1975; Tarrant 1954, 1956b; Tucker and Emmingham 1977; Yerkes 1958, 1960

Community metabolism:

Minshall and others 1983; Naiman and Sedell 1980; Triska and others 1982

Community structure (see also forest structure):

Anderson and others 1984a, 1984b; Cummins 1980; Hawkins 1981, 1982; Hawkins and others 1982; Hawkins and Sedell 1981; Lyford and Gregory 1975; Murphy 1978; Ruggiero and Carey 1984; Triska and others 1982; Wiens and Nussbaum 1975; Zobel and others 1976

Cone color:

Franklin 1964a

Conifer dominance:

Franklin and Waring 1980; Waring 1982; Waring and Franklin 1979

Cotyledons:

Franklin 1961b, 1968b; Franklin and Greathouse 1969a, 1969b

Data management:

Means 1981; Stafford and others 1984; Wilson 1985

Debris dams (see also stream morphology and stream processes):

Frear 1982; Fredriksen 1963; Keller and Swanson 1979; Lienkaemper 1976; Lienkaemper and Swanson 1980; Sedell and Luchessa 1982; Swanson and others 1976b; Swanson and Lienkaemper 1978; Triska and Cromack 1980; Triska and others 1984

Debris torrents (see also erosion, mass movement, and stream processes):

Keller and Swanson 1979; Rothacher 1959; Swanson 1979; Swanson and others 1973, 1976a, 1976b, 1980, 1982a; Swanson and Fredriksen 1982; Swanson and Lienkaemper 1978; Swanson and Swanston 1977; Swanston 1974, 1976; Swanston and others 1980; Swanston and Swanson 1976

Decomposition:*Aquatic:*

Aho and others 1973; Anderson and others 1978; Anderson and Grafius 1975; Anderson and Sedell 1979; Aumen and others 1983, 1985a, 1985b; Cummins and others 1983; Dahm 1984; Dahm and others 1981; Dudley and Anderson 1982; Edmonds 1974, 1977; McIntire and Colby 1978; Minshall and others 1983; Sedell and others 1973, 1974; Sollins and others 1985; Speaker and others 1984; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1975, 1982, 1984; Triska and Sedell 1976; Warner 1976

Logs:

Christy and others 1982; Christy and Mack 1984; Cummins and others 1983; Fogel and others 1973; Franklin and others 1981; Graham 1981a, 1981b; Gratkowski 1956; Maser and Trappe 1984a, 1984b; Means and others 1981, 1984, 1985; Silvester and others 1982

Terrestrial:

Boyce and Wagg 1953; Buckley and Triska 1978; Christy and others 1982; Christy and Mack 1984; Denison 1971; Edmonds 1975, 1977; Fogel and Cromack 1974, 1977; Fogel and others 1973; Gilmour and others 1973; Johnson and others 1982; McBrayer and others 1977; Means and others 1984, 1985; Meentemeyer 1977; Miller and others 1976; Ogawa 1977; Philips 1975; Strand 1973b; Strand and Grier 1973; Triska and Cromack 1980; Warner 1976

Detritus food quality:

Anderson and Cummins 1979; Anderson and others 1984a; Cummins et al. 1982; Dahm 1984; Dahm and others 1981; Naiman and Sedell 1979a, 1979b; Sedell 1972; Sedell and others 1974; Sollins and others 1985; Ward 1984

Detritus processing:

Aho and others 1973; Anderson 1976a, 1976b; Anderson and Cummins 1979; Anderson and others 1978, 1984a; Anderson and Grafius 1975; Anderson and Sedell 1979; Dahm 1984; Dahm and others 1981; Dudley and Anderson 1982; Edmonds 1974, 1975, 1977; Grafius 1977; Grafius and Anderson 1973, 1979, 1980; Maser and Trappe 1984b; McIntire and Colby 1978; Pereira and others 1982; Sedell and Dahm 1984; Sedell and others 1973, 1974, 1975; Sollins and others 1985; Speaker and others 1984; Triska and Buckley 1978; Triska and others 1975, 1982; Ward 1984

Ecological monitoring:

Dyer and Crossley in press; Hinds and others 1981; McKee 1984; McShane and others 1983; Schowalter and others 1986

Ecosystem modeling:

Aho and others 1973; Brown and others 1972a, 1972b; Carroll 1981a; Colby and McIntire 1978; Coniferous 1977; Cushing and others 1980; Dale and others 1984; Daterman and others 1973; Dyer and Crossley in press; Edmonds 1974, 1975, 1977; Franklin 1982a; Graham 1981a, 1981 b; Grier and others 1978; Harris 1984a, 1984b; Hemstrom and Adams 1982; Kline and others 1973; Krzak 1980; Massman 1982, 1983; McIntire 1971; McIntire and Colby 1978; McIntire and others 1971, 1975; Means 1982b; Means and others 1981; Meentemeyer 1977; Overton 1975; Overton and others 1973a, 1973b; Overton and White 1978, 1981; Reed and others 1973; Reed and Waring 1974; Rhoades 1983; Running and others 1975; Sedell and others 1973; Shih and others 1973; Sollins and others 1974, 1979, 1982; Strand 1973a, 1973b, 1974; Strand and Grier 1973; Strand and Nagel 1972; Swanson and others 1973, 1982c; Ward and others 1979; Waring 1971, 1973a, 1973b, 1985; Waring and Edmonds 1974; Waring and others 1973; Waring and Running 1976; Warren 1971; Webb and others 1983; Wiens and Nussbaum 1975

Energy budget (see also carbon cycling):

McIntire and Colby 1978; McIntire and others 1971, 1975; Sollins and others 1974; Strand 1974; Waring 1973b; Waring and others 1973

Environmental gradients:

Dyrness and others 1976; Edmonds 1974; Emmingham 1982; Franklin 1979b; Franklin and Dyrness 1973; Gholz and others 1976; Grierand Running 1977; Hawk and others 1982; Waring and others 1978a; Wiens and Nussbaum 1975; Zobel and others 1976

Environmental indexes and variables (see also moisture stress, photosynthesis, temperature, and transpiration):

Dyer and Crossley in press; Emmingham 1982; Emmingham and Waring 1977; Hinds 1984; Waring 1971, 1973a, 1973b; Waring and Edmonds 1974; Waring and others 1973; Waring and Franklin 1979; Waring and Running 1976, 1978; Zobel 1975; Zobel and others 1973b, 1974, 1976

Environmental pollutants (see also fertilizers and pesticides):

Hemstrom and Franklin 1981; Hinds 1984; Moore and others 1974; Norris and others 1983

Erosion:

Anderson and others 1976; Bergstrom 1979; Brown 1973; Cromack and others 1978; Dyrness 1965b, 1966, 1967a, 1967b, 1970, 1975; Edmonds 1974, 1975, 1977; Franklin 1982b; Franklin and Rothacher 1962; Fredriksen I 1965a, 1970, 1972a, 1972b; Fredriksen and others 1975; Fredriksen and Harr 1979; Fredriksen and Moore 1972; Harr 1981; Johnson 1978; Johnson and Beschta 1980; Keller and Swanson 1979; Larson 1981; Larson and Sidle 1980; Mersereau and Dyrness 1972; Rice and others 1972; Rothacher 1959; Swanson 1979, 1980, 1981; Swanson and Dyrness 1975; Swanson and others 1973, 1980, 1981, 1982a, 1982b, 1982c; Swanson and Fredriksen 1982; Swanson and Grant 1982; Swanson and James 1973, 1975a, 1975b; Swanson and Sede111978; Swanston 1974, 1976, 1978, 1979, 1981; Swanston and others 1980; Swanston and Swanson 1976; Waring 1973a, 1976

Evaporation (see also transpiration):

Gholz 1979, 1982; Massman 1983; Rothacher 1971; Santantonio 1982; Waring and others 1978a; Waring and Franklin 1979; Zobel 1975

Fallen trees (see also windthrows and woody debris):

Christy and Mack 1984; Maser and Trappe 1984a, 1984b; Ogawa 1977; Silvester and others 1982; Stewart 1984; Thomas and others 1979

Fertilizers, Fertilization:

Anderson and others 1976; Cromack and others 1978; Dyrness 1975; Edmonds 1974, 1977; Fredriksen 1972a; Fredriksen and others 1975; Helgerson and others 1984; Johnson and others 1982; Krzak 1980; Miller and others 1976; Rothacher and Franklin 1964; Waring 1983

Field guides:

Berntsen and Rothacher 1959; Franklin and others 1972b; Hemstrom and others 1982; Topic and Hemstrom 1982

Fire:

Burke 1979; Morrison 1984; Swanson 1981

Fish:

Aho 1976; Aho and others 1973; Aho and Hall 1976; Everest and Meehan 1981; Hall and others 1978; Hawkins 1981; Hawkins and others 1983; Meehan and others 1977; Murphy 1979; Murphy and Hall 1981; Naiman and Sedell 1981; Norris and others 1983; Sedell and Luchessa 1982; Triska and others 1982; Wilzbach and Hall 1985; Wustenberg 1954; Wyatt 1959

Fish habitat:

Everest and Meehan 1981; Murphy 1979; Naiman and Sedell 1981; Sedell and others 1973, 1982; Sedell and Luchessa 1982; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Triska and Cromack 1980; Wilzbach and Hall 1985; Wustenberg 1954; Wyatt 1959

Flood control (see also storms and storm runoff):

Anderson and others 1976; Bergstrom 1979

Foliage endophytes (see also fungi):

Bernstein and Carroll 1977a; Carroll and Carroll 1978; Petrini and Carroll 1981; Petrini and others 1982

Foliage weight:

Smith and others 1981; Waring 1973a; Waring and others 1982

Food chains (see also trophic relations):

Gregory 1983; Norris and others 1983; Strand 1973a, 1974; Strand and Nagel 1972; Waring 1973b; Waring and Edmonds 1974

Forest:*Age (see also forest structure):*

Franklin and others 1979, 1982; Franklin and Spies 1984; Franklin and Waring 1980; Means 1982a, 1982b, 1985; Stewart 1984; Thomas and others 1979; Waring 1982; Waring and Franklin 1979

Canopy:

Christy 1986; Dale and others 1984; Denison 1973; Hawkins 1981; Hawkins and others 1982, 1983; Hinds 1984; Long 1982; Massman 1982, 1983; Murphy and others 1981; Rhoades 1978, 1983; Running and others 1986; Schowalter and others 1986; Stewart 1984; Strand 1974; Strand and Nagel 1972; Voegtlin 1982; Waring 1980c, 1983; Waring and Edmonds 1974

Communities (see also plant communities and forest zones):

Emmingham 1982; Franklin 1965a, 1965b; Franklin and Dyrness 1969, 1973; Gholz and others 1984; Sullivan 1978; Warner 1976; Zobel and others 1973a, 1973b, 1974, 1976

Composition:

Franklin and Dyrness 1969, 1973; Franklin and others 1981; Franklin and Spies 1984; Franklin and Waring 1980; Gashwiler 1970b; Grier and Running 1977; Hawk 1973b, 1977, 1979; Hawk and Dyrness 1972; Hawk and others 1978; Hemstrom and Adams 1982; Long 1982; Miles 1983; Stewart 1984, 1986; Swanson and others 1982b; Zobel and others 1976

Dynamics (see also succession):

Dale and others 1984; DeMars 1969; DeMars and others 1970; Edmonds 1977; Emmingham 1977; Franklin 1982a; Gholz 1978, 1979; Hawk 1977; Hawk and others 1982; Hemstrom and Adams 1982; Herman and DeMars 1970; Herman and others 1975, 1978; Long 1982; Means 1982a, 1982b; Miles 1983; Miles and others 1984; Schowalter and others 1986; Sollins and others 1980a; Stewart 1984, 1986; Waring 1971, 1980a, 1980b, 1980c, 1983; Waring and Schlesinger 1985; Zobel 1975

Fragmentation:

Harris 1984a, 1984b; Ruggiero and Carey 1984

Functions:

Franklin and Spies 1984; Harmon and others 1986; Maser and Trappe 1984a; Sollins and others 1985; Swanson and others 1982b; Waring 1980c, 1985; Waring and Edmonds 1974; Waring and Schlesinger 1985

Management (see also watershed management and stream management):

Anderson and others 1976; Bergstrom 1979; Boyce and Wagg 1953; Carow 1959; Cromack and others 1978; Dyrness 1966; Edmonds 1982b; Forest Industries 1962; Franklin 1965a, 1982b; Franklin and others 1981; Franklin and Spies 1984; Fredriksen 1972a; Fredriksen and others 1975; Fredriksen and Harr 1979; Grier and others 1978; Harris 1984a, 1984b; Harris and others 1982; Hemstrom and others 1982; Johnson and others 1982; Krzak 1980; Larson 1981; Larson and Sidle 1980; Maser and others 1978a, 1978b; Maser and Trappe 1984a, 1984b; McKee and others 1982; Means 1982a, 1982b; Miller and others 1976; Rothacher 1965a; Ruggiero and Carey 1984; Ruth and Silen 1950; Silen 1955; Sollins and others 1982; Swanson and Sede111978; Swanston and Swanson 1976; Topic and Hemstrom 1982; USDA, Forest Service, 1958; Waring 1973a, 1976, 1980c; Waring and Schlesinger 1985

Pests:

Franklin and Mitchell 1967; Means 1982b; Schowalter and others 1986; Strand 1971, 1972, 1973a

Regeneration (see also silvicultural practices and succession):

Anderson and others 1976; Berntsen 1958; Berntsen and Rothacher 1959; Campbell and Franklin 1981; Christy 1986; Franklin 1961a, 1963, 1965a, 1968a; Franklin and others 1974, 1979; Franklin and Mitchell 1967; Franklin and Rothacher 1962; Means 1982a, 1982b; Miles 1983; Miles and others 1984; Silen 1952, 1956, 1960; Stewart 1984; Sullivan 1976, 1978; The Timberman 1957; Waring 1976

Structure:

Denison 1973; Denison and others 1972; Edmonds 1975, 1982b; Emmingham 1982; Franklin 1982a; Franklin and others 1979, 1981, 1982; Franklin and Spies 1984; Franklin and Waring 1980; Fujimori 1977; Gholz 1979, 1982; Gholz and others 1977; Grier and Cole 1972; Grier and others 1974; Grier and Logan 1977; Grier and Running 1977; Grier and Waring 1974; Hawk 1973b, 1977, 1979; Hawk and others 1978; Herman and others 1975, 1978; Long 1982; Maser and Trappe 1984a, 1984b; Massman 1982; Means 1982a, 1982b; Mitchell 1974; Pike and others 1977; Stewart 1984; Swanson and others 1982b; Thomas and others 1979; Waring 1973a, 1980c, 1982; Waring and Edmonds 1974; Waring and Franklin 1979

Zones (see also vegetation zones):

Dyrness and others 1971, 1976; Edmonds 1974, 1982b; Franklin 1979b; Franklin and Dyrness 1969, 1973; Hemstrom and others 1982; Topic and Hemstrom 1982

Functional groups (see also community structure and stream communities):

Colby and Mcintire 1978; Cummins 1980; Cummins and others 1982, 1984; Dudley and Anderson 1982; Edmonds 1974; Hawkins 1981, 1982; Hawkins and others 1982; Hawkins and Sedell 1981; Mcintire and Colby 1978; Mcintire and others 1975; Meehan and others 1977; Minshall and others 1983; Sedell and others 1975, 1982; Strand 1973a, 1974; Strand and Nagel 1972; Triska and Cromack 1980; Triska and others 1982; Vannote and others 1980

Fungi (see also foliage endophytes, microbial epiphytes, mycorrhizae, and mycophagy):

Bernstein 1974; Bernstein and Carroll 1977a, 1977b; Bernstein and others 1973; Boyce and Wagg 1953; Carroll 1981a, 1981b; Carroll and Carroll 1978; Carroll and others 1980; Christy and others 1982; Cromack and others 1975, 1977a, 1977b; Denison 1971; Fogel 1973, 1975a, 1975b, 1976a, 1976b, 1979; Fogel and others 1973; Fogel and Peck 1975; Fogel and Trappe 1978; Maser and others 1978a, 1978b; Ogawa 1977; Pereira and others 1982; Petrini and Carroll 1981; Petrini and others 1982; Pike 1972b; Rhoades 1972; Sherwood 1973; Sherwood and Carroll 1974; Sollins and others 1981a; Ure and Maser 1982; Wicklow and Carroll 1981

Genecology:

Campbell 1979; Campbell and Franklin 1981

Geology:

Franklin 1965b; Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Gottesfeld and others 1981; Hickman 1968; Hicks 1981; James 1977; Marion 1981; Rothacher and others 1967; Sullivan 1976; Swanson and James 1973, 1975a, 1975b; Swanson and Swanston 1977; Swanston 1978

Geomorphology:

Hicks 1981; Lienkaemper 1976; Marion 1981; Swanson 1979, 1980, 1981; Swanson and others 1980, 1982a, 1982b, 1982c; Swanson and James 1973, 1975a, 1975b; Swanson and Swanston 1977; Swanston 1978; Swanston and others 1980; Vannote and others 1980; Waring 1980c

Glaciation:

Swanson and James 1973, 1975a, 1975b

Groundwater (see also soil moisture and soil water flux):

Brown and others 1972; Harr and Swanson 1980; Mills 1983; Shih and others 1973; Sollins and others 1980b; Sollins and McCorison 1981; Swanson 1979, 1980; Swanson and others 1983; Triska and others 1984

Habitat types (see also plant communities):

Campbell and Franklin 1979, 1981; Franklin and Dyrness 1969, 1971, 1973; Hemstrom and others 1982; Hickman 1968, 1976; Miles 1983; Sullivan 1978; Topic and Hemstrom 1982; Zobel and others 1974, 1976

Hybridization:

Zobel 1973, 1974a, 1974b, 1975

Hydrologic processes:

Anderson and others 1976; Bergstrom 1979; Brown and others 1972a, 1972b; Coniferous 1977; Edmonds 1975, 1977; Fredriksen and Harr 1979; Harr 1976a, 1976b, 1977, 1979, 1981; Harr and Berris 1983; Mcintire and Colby 1978; Overton and White 1978, 1981; Ranken 1974; Rothacher 1963; Shih and others 1973; Sollins and others 1974, 1982; Swanson and others 1973, 1980; Waring 1973a, 1973b, 1985

Infiltration capacity (see also soil moisture):

Harr 1979, 1981; Harr and Berris 1983; Harr and Ranken 1973; Harr and Swanson 1980; Johnson 1978; Johnson and Beschta 1980, 1981; Shih and others 1973; Wells and others 1979

Interception (see also precipitation):

Harr 1979; Massman 1983; Rothacher 1963; Shih and others 1973

Invertebrates:*Aquatic:*

Aho and others 1973; Anderson 1976a, 1976b, 1978; Anderson and Cummins 1979; Anderson and others 1978, 1982, 1984a, 1984b; Anderson and Grafius 1975; Anderson and Sedell 1979; Anderson and Wallace 1984; Cassis 1984; Cummins 1980; Cummins and others 1982, 1984; Dudley 1982; Dudley and Anderson 1982; Edmonds 1974, 1975, 1977; Grafius 1977; Grafius and Anderson 1973, 1979, 1980; Harper and Wildman 1984; Hawkins 1981, 1982; Hawkins and others 1982, 1983; Hawkins and Sedell 1981; Maser and Trappe 1984b; Murphy and Hall 1981; Pereira and others 1982; Peterson and Courtney 1985; Sedell and others 1975; Stonedahl and Lattin 1982; Wilzbach and Hall 1985

Bioenergetics:

Grafius 1977; Grafius and Anderson 1979; Strand 1973a

Biology:

Aho and others 1973; Anderson 1976a, 1976b, 1978; Anderson and Grafius 1975; Anderson and others 1978; Anderson and Sedell 1979; Anderson and Wallace 1984; Andre and Voegtlin 1981; Cooper 1981; Cummins and others 1982; Dudley 1982; Dudley and Anderson 1982; Grafius 1977; Grafius and Anderson 1979, 1980; Hawkins 1982; Hawkins and others 1982; Mahmoud 1979; Rausch 1975; Razafimahatratra 1978, 1980; Schowalter and others 1986; Schwartz 1981; Stonedahl 1982

Feeding strategies:

Aho and others 1973; Anderson 1976a, 1976b; Anderson and Cummins 1979; Anderson and others 1978; Anderson and Grafius 1975; Anderson and Sedell 1979; Anderson and Wallace 1984; Andre and Voegtlin 1981; Cooper 1981; Cummins and others 1982; Dudley and Anderson 1982; Fogel 1973, 1975a; Grafius 1977; Grafius and Anderson 1973, 1979, 1980; Hawkins 1982; Hawkins and others 1982; Hawkins and Sedell 1981; Pereira and others 1982; Schowalter and others 1986; Strand 1971, 1972, 1973a

Leaf area (see also forest canopy):

Dale and others 1984; Denison 1973; Denison and others 1972; Gholz 1978, 1979, 1982; Gholz and others 1976, 1977, 1979; Grier and Running 1977; Hawk and others 1978; Hemstrom and Adams 1982; Long 1982; Massman 1982; McNabb and Cromack 1983; Mitchell 1974; Running and others 1975; Smith and others 1981; Sollins and others 1980a; Tucker and Emmingham 1977; Waring 1980a, 1980b, 1983, 1985; Waring and others 1977, 1978a, 1982

Lichens (see also microbial epiphytes):

Carroll 1980, 1981a; Cooper and Carroll 1978; Denison 1973; Horstman and others 1982; Howe 1978; Pike 1972a, 1978, 1981; Pike and others 1972, 1975, 1977; Rhoades 1977, 1978, 1983; Sherwood and Carroll 1974; Ure and Maser 1982; Wicklow and Carroll 1981

Life table analysis:

Mitchell 1974; Rhoades 1983

Lignin content (see also decomposition):

Meentemeyer 1977; Sedell and others 1974; Sollins and others 1981b, 1985; Triska and others 1975; Triska and Sedell 1976

Parasitic:

Lewis and Maser 1981; Rausch 1975

Soil:

Cromack and others 1977a, 1977b; Krantz and others 1973; McBrayer and others 1977; Strand 1973a

Terrestrial:

Andre 1980; Andre and Voegtlin 1981; Carroll 1980, 1981a; Cooper 1981; Daterman and others 1973; Emerson and others 1984; Fogel 1973, 1975a; Fogel and Peck 1975; Gashwiler and Ward 1968; Henry and Lattin in press a, in press b; Krantz and others 1973; Lattin in press; Lattin and Oman 1983; Lewis and Maser 1981; Lightfoot 1986; Mahmoud 1979; Maser and Trappe 1984b; Mispagel and Rose 1978; Phillips 1983; Razafimahatratra 1978, 1980; Schwartz 1981; Stonedahl 1982, 1984; Stonedahl and Lattin 1986; Strand 1971, 1972, 1973a, 1974; Voegtlin 1982; Whitaker and others 1977; Whitaker and Maser 1976, 1984

Litter, Litterfall:

Aquatic (see also organic matter [streams] and stream detritus):

Cummins and others 1983; Grafius and Anderson 1979; Sedell and others 1974, 1975, 1982; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1975, 1982, 1984; Triska and Sedell 1976; Warner 1976

Terrestrial:

Abee and Lavender 1972; Carroll 1981a; Denison 1971; Fogel and Cromack 1974, 1977; Fogel and others 1973; Gilmour and others 1973; Graustein and others 1977; Grier and Cole 1972; Grier and others 1974; Grier and Logan 1977; Harris and others 1980; Hinds 1984; Hinds and others 1981; Howe 1978; Johnson and others 1982; Long 1982; McBrayer and others 1977; McShane and others 1983; Meentemeyer 1977; Mersereau and Dyrness 1972; Miller and others 1976; Ogawa 1977; Phillips 1975; Pike 1978; Rhoades 1978; Santantonio 1982; Schoenberger and Perry 1982; Sollins and others 1980b; Strand 1973b; Strand and Grier 1973; Swanson and others 1980, 1982a; Triska and Cromack 1980; Warner 1976; Wells and others 1979

Mammals:

Black 1971; Black and Taber 1977; Dealy 1959, 1966; Doyle 1985; Emerson and others 1984; Fogel and Trappe 1978; Franklin and others 1972b; Gashwiler 1959, 1963, 1965a, 1965b, 1967, 1970a, 1970b, 1971a, 1977, 1979; Harris and others 1982; Lewis and Maser 1981; Maser and others 1978a, 1978b; McCullough 1964; Nussbaum and Maser 1975; Rausch 1975; Ure and Maser 1982; Whitaker and others 1977; Whitaker and Maser 1976, 1984

Mass movement (see also debris torrents, erosion, and soil movement):

Dyrness 1967b; Everest and Meehan 1981; Fredriksen 1963, 1965b, 1970; Fredriksen and Harr 1979; Harr 1981; Harr and Swanson 1980; Hicks 1981; Marion 1981; Miles 1983; Miles and others 1984; Mills 1983; Paeth 1970; Paeth and others 1971; Rice and others 1972; Rothacher 1965a; Simons and others 1978; Swanson and Dyrness 1975; Swanson and others 1973, 1976a, 1976b, 1980, 1981, 1982a, 1982c, 1983, 1985; Swanson and Fredriksen 1982; Swanson and James 1973, 1975a, 1975b; Swanson and Lienkaemper 1978, 1985; Swanson and Sede111978; Swanson and Swanston 1977; Swanston 1974, 1976, 1978, 1979, 1981; Swanston and others 1980; Swanston and Swanson 1976; Ward and others 1978, 1979

Meteorology (see also precipitation, solar radiation, and temperature):

Berntsen and Rothacher 1959; Coniferous 1977; Edmonds 1974, 1975, 1977, 1982b; Emmingham 1982; Emmingham and Lundberg 1977; Franklin 1965b; Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Franklin and Waring 1980; Grier and Cole 1972; Grier and Running 1977; Harr 1981; Harr and Berris 1983; Harr and others 1982; Hawk 1977; Kline and others 1973; Massman 1983; McCullough 1964; Meentemeyer 1977; Minshall and others 1983; Reed and Waring 1974; Rothacher and others 1967; Running 1976; Sollins and others 1974, 1979; Sullivan 1976; Swift and Ragsdale 1985; Waring 1982; Waring and others 1978b; Waring and Franklin 1979; Webb and others 1983

Microbial epiphytes (see also lichens, mosses, and fungi):

Bernstein 1974; Bernstein and Carroll 1977b; Bernstein and others 1973; Carroll 1973, 1979, 1980, 1981 a; Denison 1971, 1973; Pike 1978; Pike and others 1972, 1975, 1977; Swisher and Carroll 1980; Waring 1980c

Moisture stress (see also water balance, water flux, and water relations):

Dyrness 1973a; Edmonds 1974, 1975; Emmingham 1982; Emmingham and Lundberg 1977; Emmingham and Waring 1977; Gholz and others 1976; Hawk and others 1978, 1982; Hawk and Zobel 1974; Hemstrom and Adams 1982; Hichman 1968; McNabb and Cromack 1983; Reed and Waring 1974; Running 1976; Santantonio 1982; Sollins and others 1981b; Tucker and Emmingham 1977; Waring 1971, 1973a, 1973b, 1980a, 1980b, 1983, 1985; Waring and others 1973, 1978a; Waring and Franklin 1979; Waring and Running 1976, 1978; Webb and others 1978, 1983; Zobel 1971, 1974a, 1975; Zobel and others 1973a, 1974, 1976

Mosses:

Binkley and Graham 1981; Carroll 1980; Naiman and SOOe111980; Pike and others 1972, 1975, 1977; Triska and others 1984

Mycophagy:

Andre and Voegtlin 1981; Fogel 1973, 1975a; Fogel and Peck 1975; Fogel and Trappe 1978; Maser and others 1978a, 1978b; Ure and Maser 1982

Mycorrhizae:

Christy and others 1982; Maser and others 1978a, 1978b; Maser and Trappe 1984a, 1984b; Schoenberger and Perry 1982; Trappe and Fogel 1977; Triska and Cromack 1980

Needle morphology:

Tucker and Emmingham 1977; Zobel 1973

Nitrogen:

Dynamics (see also nitrogen fixation and nutrient cycling):

Abee and Lavender 1972; Aumen and others 1983, 1985a, 1985b; Binkley 1984a, 1984b; Binkley and others 1982; Buckley and Triska 1978; Carroll 1980; Cole and Rapp 1980; Cromack and others 1978; Denison 1973; Edmonds 1977; Fredriksen 1971, 1972b, 1975; Grier and Cole 1972; Helgerson 1981; Helgerson and others 1984; Henderson and others 1978; Johnson and others 1982; Krzak 1980; McNabb and Cromack 1983; Pike 1978; Pike and others 1972; Smith and others 1981; Sollins and others 1977, 1980b, 1981 a, 1984, 1985; Sollins and McCorison 1981; Spycher and others 1983; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1975, 1982, 1984; Triska and Sede111976; Ward 1984, 1985; Waring 1980b; Wells and others 1979

Fixation:

Binkley 1984b; Buckley and Triska 1978; Helgerson 1981; Helgerson and others 1984; Horstman and others 1982; Howe 1978; Johnson and others 1982; McNabb and Cromack 1983; Pike 1978; Silvester and others 1982; Sollins and others 1980b; Triska and others 1984; Ward 1984

Nutrient(s):

Budgets (see also nutrient cycling):

Binkley 1984a, 1984b; Fredriksen 1972b, 1975; Fredriksen and Moore 1972; Gholz and others 1984; Grier and others 1974; Henderson and others 1978; Johnson and others 1982; Krzak 1980; Sedell and Dahm 1984; Sollins and others 1974, 1980b; Sollins and McCorison 1981; Triska and others 1984

Cycling:

Abee 1973; Abee and Lavender 1972; Bergstrom 1979; Binkley 1984a, 1984b; Binkley and others 1982; Binkley and Graham 1981; Carroll 1980; Carroll and others 1980; Cole and Rapp 1980; Cromack and others 1975, 1977a, 1977b, 1978; Cummins 1980; Edmonds 1974, 1975, 1977; Franklin 1982b; Franklin and others 1981; Fredriksen 1971, 1972b, 1975; Fredriksen and Harr 1979; Fredriksen and Moore 1972; Graustein and others 1977; Grier and Cole 1972; Grier and others 1974, 1978; Harris and others 1980; Hawk and others 1978; Henderson and others 1978; Johnson and others 1982; Krzak 1980; Lavender 1971; Maser and Trappe 1984a, 1984b; Miller and others 1976; Minshall and others 1983; Norris and others 1983; Pike 1978; Santantonio 1981, 1982; Silvester and others 1982; Sollins and others 1974, 1977, 1980b, 1981a, 1981b, 1982; Sollins and McCorison 1981; Strand 1973b; Strand and Grier 1973; Triska and others 1982, 1984; Waring 1973b, 1980c; Waring and Edmonds 1974; Waring and Franklin 1979; Wells and others 1979

Leaching (see also nutrient cycling):

Carroll 1980; Cooper and Carroll 1978; Edmonds 1975, 1977; Grier and Cole 1972; Harris and others 1980; Johnson and others 1982; Miller and others 1976; Pike 1978; Schoenberger and Perry 1982; Sollins and others 1980b; Sollins and McCorison 1981; Strand and Grier 1973; Triska and Buckley 1978; Triska and others 1975, 1984

Litter.

Fogel and Cromack 1974; Grier and others 1974; Hinds 1984; Miller and others 1976; Sollins and others 1980b, 1985; Triska and Cromack 1980; Triska and others 1975, 1984; Triska and Sedell 1976

Microbial epiphytes:

Carroll 1980; Fogel 1976a; Pike 1978; Pike and others 1972

Roots:

Miller and others 1976; Santantonio and others 1977

Soil:

Brown 1973; Brown and Parsons 1973a, 1973b; Cole and Rapp 1980; Cromack and others 1978; Edmonds 1975, 1977; Fredriksen and Moore 1972; Graustein and others 1977; Grier and Cole 1972; Grier and others 1974; Harris and others 1980; Johnson and others 1982; Krzak 1980; Miller and others 1976; Paeth and others 1971; Schoenberger and Perry 1982; Sollins and others 1980b, 1981 b, 1983, 1984, 1985; Sollins and McCorison 1981; Spycher and others 1983; Swanson 1980; Swanson and others 1982a; Tarrant 1956b; Warner 1976

Stream:

Aho and others 1973; Cummins 1980; Edmonds 1975; Fredriksen 1971, 1972a, 1972b, 1975; Fredriksen and others 1975; Fredriksen and Harr 1979; Gregory 1976, 1978; Henderson and others 1978; Maser and Trappe 1984b; Miller and others 1976; Minshall and others 1983; Moeller and others 1979; Naiman and Sedell 1979a, 1979b, 1981; Rothacher and others 1967; Sedell and others 1973; Sollins and others 1980b; Sollins and McCorison 1981; Swanson and others 1982a; Ward 1984, 1985

Vascular plants:

Carroll 1980; Fogel and others 1973; Gholz 1978; Grier and Cole 1972; Grier and others 1974; Johnson and others 1982; Krzak 1980; Miller and others 1976; Overton and others 1973a; Smith and others 1981; Sollins and others 1980b; Waring 1980b; Zobel and others 1974, 1976

Old-growth forests:

Cline and Phillips 1983; Forsman and others 1984; Franklin 1982b; Franklin and others 1979, 1981; Franklin and Spies 1984; Gholz and others 1976; Gratkowski 1956; Grier and Logan 1977; Harris 1984a, 1984b; Harris and others 1982; Herman and DeMars 1970; Herman and others 1975; Hermann 1973; Howe 1978; Levno and Rothacher 1967; Maser and Trappe 1984a, 1984b; Massman 1982; Overton and others 1973a; Pike and others 1972, 1975, 1977; Rhoades 1978, 1983; Rothacher 1963; Ruggiero and Carey 1984; Santantonio 1974; Santantonio and others 1977; Schoenberger and Perry 1982; Sherwood and Carroll 1974; Sollins and others 1980b, 1981b; The Timberman 1957; Voegtlin 1982; Waring 1982; Waring and Running 1978; Yerks 1958

Organic matter:*Budgets:*

Cummins and others 1983; Edmonds 1974; Moeller and others 1979; Sedell and others 1973, 1974; Sollins and others 1980b; Swanson and others 1982a; Triska and others 1982; Waring and Edmonds 1974

Distribution:

Grier and others 1974; Grier and Logan 1977; Johnson and others 1982

Soil:

Harris and others 1980; Santantonio 1982; Sollins and others 1984; Spycher and others 1983; Strand 1973b; Strand and Grier 1973; Wells and others 1979

Streams (see also litter and litterfall [aquatic], stream detritus, and woody debris [streams]):

Cummins and others 1983; Dahm and others 1981; Minshall and others 1983; Murphy and others 1981; Naiman and Sedell 1979a, 1979b, 1980, 1981; Sedell and others 1973, 1974, 1978, 1982; Sollins and others 1985; Swanson 1979; Swanson and others 1980, 1982a, 1982b; Triska and Cromack 1980; Triska and others 1982, 1984; Vannote and others 1980; Waring and Edmonds 1974

Organization:

McKee 1984

Paleobotany:

Gottesfeld and others 1981; Waring and Franklin 1979

Periderm color: Zobel 1973, 1974b

Periphyton (see also algae):

Aho and others 1973; Cummins 1980; Edmonds 1977; Lyford and Gregory 1975; Mcintire 1971; Mcintire and Colby 1978; Murphy and Hall 1981; Naiman and Sedell 1980, 1981; Pereira and others 1982; Rounick and Gregory 1981; Sedell and others 1973; Triska and others 1982

Pesticides:

Anderson and others 1976; Fredriksen and others 1975; Moore and others 1974; Sollins and others 1981b

Phenology:

Campbell and Franklin 1979; Dyrness 1973a; Emmingham 1977; Fogel 1976a; Gholz 1978; Hickman 1968; McKee 1972; McKee and others 1981; Rounick and Gregory 1981; Russel 1974; Waring and Edmonds 1974; Zobel and others 1974

Phenophases:

McKee 1972; Zobel and others 1974

Photoperiod (see also solar radiation):

McCullough 1964; McKee and others 1981

Photosynthesis:

Edmonds 1975; Emmingham 1982; Emmingham and Waring 1977; Naiman and Sedell 1980; Reed and others 1973; Waring 1980b; Waring and others 1973, 1978a; Waring and Franklin 1979; Waring and Running 1978; Webb and others 1983; Zobel 1974a

Plant communities:

Campbell and Franklin 1979, 1981; Dyrness 1965a, 1973b; Dyrness and others 1971, 1976; Dyrness and Hawk 1972; Edmonds 1974, 1977; Emmingham 1982; Emmingham and Lundberg 1977; Franklin 1965a, 1965b, 1979b; Franklin and Dyrness 1969, 1971, 1973; Franklin and others 1972b; Gholz and others 1976; Grier and Logan 1977; Hawk 1973b, 1977, 1979; Hawk and Dyrness 1972; Hawk and others 1978, 1982; Hawk and Zobel 1974; Hemstrom and others 1982; Hickman 1968, 1976; McKee and others 1981; Miles 1983; Rothacher and others 1967; Sullivan 1976, 1978; Topic and Hemstrom 1982; Waring 1973b; Waring and Edmonds 1974; Warner 1976; Zobel and others 1973a, 1973b, 1974, 1976

Plant cover (see also forest composition):

Gashwiler 1970b; Grier and Logan 1977; Hawk 1973b; Hawk and Dyrness 1972; Hawk and others 1978, 1982; Hawk and Zobel 1974; Mersereau and Dyrness 1972; Miles 1983; Sullivan 1978; Wiens and Nussbaum 1975

Population dynamics (see also forest dynamics):*Invertebrates:*

Grafius and Anderson 1979, 1980; Hawkins 1982; Schowalter and others 1986; Strand 1973a; Waring 1973a

Lichens:

Rhoades 1977, 1978, 1983

Stream communities:

Grafius and Anderson 1979, 1980; Hawkins 1982; Lyford and Gregory 1975; Mcintire 1971; Mcintire and Colby 1978; Mcintire and others 1975; Murphy 1979

Vertebrates:

Nussbaum and Clothier 1973; Peacock and Nussbaum 1973

Precipitation:

Anderson and others 1976; Christner 1981; Coniferous 1977; Fredriksen 1965a, 1965b, 1970, 1972b, 1975; Gholz 1979, 1982; Grier and Cole 1972; Harr 1976b, 1977, 1979, 1981; Harr and Berris 1983; Harr and others 1982; Harr and McCorison 1979; Harr and Ranken 1973; Harr and Swanson 1980; Hawk and others 1982; Henderson and others 1978; Johnson 1978; Long 1982; Massman 1983; McNabb and Cromack 1983; Mispagel and Rose 1978; Rothacher 1959, 1963, 1965a, 1965b, 1970, 1971, 1973; Rothacher and others 1967; Running 1976; Sollins and others 1977, 1979, 1980b; Sollins and McCorison 1981; Swanson 1979; Swanson and others 1973, 1980, 1983; Swanson and Swanston 1977; Swanston 1974, 1981; Swanston and others 1980; Swanston and Swanson 1976; Waring and others 1978b; Waring and Franklin 1979; Waring and Running 1976

Production, Productivity:*Fish:*

Aho and Hall 1976; Everest and Meehan 1981; Hawkins 1981

Forests:

Bergstrom 1979; Edmonds 1975, 1977, 1982b; Emmingham 1982; Emmingham and Waring 1977; Franklin 1962, 1964b, 1982b; Franklin and others 1981; Franklin and Spies 1984; Franklin and Waring 1980; Fujimori and others 1976; Gholz 1979, 1982; Gholz and others 1984; Grier and others 1978; Grier and Logan 1977; Krzak 1980; Long 1982; Maser and Trappe 1984b; Miles 1983; Miles and others 1984; Mitchell 1974; Silen and Gratkowski 1953; Sollins and others 1982; Waring 1973a, 1973b, 1980a, 1980b, 1980c, 1983; Waring and Franklin 1979; Webb and others 1978, 1983; Zobel 1971

Microbial epiphytes:

Bernstein and Carroll 1977b; Binkley and Graham 1981; Foge 1976a; Pike 1978, 1981; Rhoades 1978, 1983; Wicklow and Carroll 1981

Roots:

Harris and others 1980; Santantonio 1981, 1982; Schoenberger and Perry 1982

Streams:

Aho and others 1973; Cummins and others 1983; Edmonds 1974, 1975; Grafius and Anderson 1980; Gregory 1976, 1978a, 1978b, 1980; Lyford and Gregory 1975; McIntire 1971; McIntire and Colby 1978; McIntire and others 1971, 1975; Minshall and others 1983; Moeller and others 1979; Murphy 1979; Murphy and others 1981; Murphy and Hall 1981; Naiman and Sedell 1980, 1981; Sedell and others 1973; Triska and others 1982; Vannote and others 1980

Reference stands:

Brown and Parsons 1973a, 1973b; Dyrness 1973a; Emmingham and Lundberg 1977; Franklin and others 1982; Hawk 1973b; Hawk and others 1978, 1982; Howe 1978; McKee 1972; Zobel and others 1973a, 1973b, 1976

Remote sensing:

Dyer and Crossley in press; Running and others 1986; Sader 1984

Research natural areas (see also biosphere reserves):

Franklin and others 1972b, 1977; Klopsch and others 1979; McKee and others 1977, 1978, 1982

Respiration:

Cummins and others 1983; Edmonds 1975; Grafius and Anderson 1979, 1980; Graham 1981a, 1981b; Gregory 1976; McIntire and Colby 1978; Minshall and others 1983; Murphy and others 1981; Naiman and Sedell 1979a, 1979b, 1980; Philips 1975; Sedell and others 1973; Strand and Grier 1973; Triska and others 1975, 1982; Triska and Sedell 1976; Waring and others 1978a

Riparian vegetation:

Campbell and Franklin 1979; Cummins 1980; Hawk 1973a; Hawkins 1981; Hawkins and others 1982, 1983; Meehan and others 1977; Minshall and others 1983; Sedell and others 1982; Sedell and Froggatt 1984; Sedell and Swanson 1984; Sollins and others 1985; Steinblum and others 1984; Swanson and others 1982b

River continuum:

Cummins 1980; Cummins and others 1983, 1984; Hawkins and Sedell 1981; Minshall and others 1983; Naiman and Sedell 1981; Sedell and others 1982; Vannote and others 1980

Road development:

Berntsen and Rothacher 1959; Dyrness 1966, 1967a, 1970, 1975; Fredriksen 1963, 1965b, 1970; Fredriksen and others 1975; Harr 1976a, 1976b, 1979; Larson 1981; Marion 1981; Rice and others 1972; Ruth and Silen 1950; Silen 1955; Silen and Gratkowski 1953; Swanson and Dyrness 1975; Swanson and others 1981; Swanston 1974, 1976; Swanston and Swanson 1976; The Timberman 1957; Waring 1976

Root:

Dynamics (see also biomass [roots], nutrients [roots], and production [roots]):

Antos and Zobel 1984; Christy 1986; Harris and others 1980; Santantonio 1981, 1982; Santantonio and others 1977; Santantonio and Hermann 1985; Waring 1980c

Zone:

Running and others 1975; Santantonio and Hermann 1985; Waring 1980c; Waring and others 1973; Waring and Running 1976

Sampling methodology and equipment:

Adamus 1984; Addor 1972; Daterman and others 1973; Dealy 1966; Denison and others 1972; Fredriksen 1969; Harr 1973; Harr and Grier 1976; Holbo 1973; Holbo and others 1975; Johnson and Hixon 1952; McShane and others 1983; Means 1985; Mispagel and Rose 1978; Overton and others 1973a; Silen 1956; Swisher and Carroll 1980; Voegtlin 1982

Sapwood cross-sectional area:

Running and others 1975; Waring 1973a, 1980a, 1980b, 1983, 1985; Waring and others 1977, 1982

Sapwood water storage (see also water relations [plants]):

Running and others 1975; Waring 1985; Waring and others 1973; Waring and Running 1976, 1978

Sediment:

Budgets:

Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982

Storage (see also sediments-sedimentation):

Swanson 1980; Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982

Yield (see also sediments-sedimentation):

Larson 1981; Larson and Sidle 1980; Swanson 1979, 1981; Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982

Sediments, Sedimentation (see also alluvial deposits and stream substrates):

Anderson and others 1976; Fredriksen 1965a, 1965b, 1969, 1970, 1972a, 1975; Fredriksen and others 1975; Fredriksen and Harr 1979; Hawk and Zobel 1974; Hawkins 1981; Hawkins and others 1983; Johnson 1978; Meehan and others 1977; Murphy and others 1981; Murphy and Hall 1981; Rice and others 1972; Rothacher 1965a; Rothacher and others 1967; Swanson 1979, 1980, 1981; Swanson and others 1973, 1976, 1980, 1982a, 1982b, 1982c; Swanson and Fredriksen 1982; Swanson and James 1973, 1975a, 1975b; Swanson and Lien kaemper 1978; Swanson and Sede111978; Swanson and Swanston 1977; Swanston 1978; Swanston and others 1980; Swanston and Swanson 1976; The Timberman 1957

Seed:

Dispersal:

Carkin and others 1978; Gashwiler 1969

Germination:

Franklin and Krueger 1968; Tarrant 1956b; Tarrant and Wright 1955

Production:

Christy and Mack 1984; Franklin 1968a; Franklin and others 1974; Gashwiler 1965b, 1969, 1971a, 1979; Silen 1952

Source:

Franklin and others 1979; Franklin and Greathouse 1969a, 1969b

Survival:

Christy and Mack 1984; Gashwiler 1965b, 1967, 1970a; Gashwiler and Ward 1966, 1968; Silen 1952

Weight

Franklin 1968b; Franklin and Greathouse 1969a, 1969b

Seed trees:

Franklin 1963, 1968a

Seed zones:

Campbell and Franklin 1981

Seedling growth and survival (see also forest regeneration):

Berntsen 1958; Christy and others 1982; Christy and Mack 1984; Franklin 1961b, 1962; Franklin and others 1974; Franklin and Rothacher 1962; Gashwiler 1971b; Gashwiler and Ward 1968; Miles 1983; Miles and others 1984; Rothacher and Franklin 1964; Schoenberger and Perry 1982; Silen 1956, 1960; Stewart 1984; Sullivan 1976, 1978; Tarrant 1956b; Tarrant and Wright 1955; Waring 1980b; Zobel 1975; Zobel and others 1973b

Shade or shading:

Aho 1976; Aho and Hall 1976; Christy 1986; Franklin 1961a, 1963, 1964b; Gholz 1978; Hawkins 1981; Hawkins and others 1982,1983; Levno and Rothacher 1967; Lyford and Gregory 1975; Meehan and others 1977; Murphy and others 1981; Naiman and Sed ell 1980; Sedell and Froggatt 1984; Steinblums and others 1984; Stewart 1984; Tucker and Emmingham 1977; Waring 1983

Silviculture (see also forest regeneration, slash or broadcast burning, and timber harvesting):

Committee of Scientists 1977; Franklin 1965a, 1968a; Larson 1981; McKee in press; Means 1982a; Miller and others 1976; Norris and others 1983; Sollins and others 1974, 1982; Sullivan 1976, 1978; Swanston and others 1980

Site classification (see also habitat types):

Dyrness 1973a; Edmonds 1982b; Emmingham 1982; Franklin 1977b, 1980; Franklin and others 1970; Means 1982a

Site index:

DeMars 1969; DeMars and others 1970; Herman and others 1975, 1978; Means and Helm 1985

Slash or broadcast burning:

Anderson and others 1976; Dale and others 1984; Dyrness 1965a, 1966, 1973b; Edmonds 1974; Franklin 1982a; Fredriksen 1970, 1971, 1972a; Gashwiler 1959; Hawk and Zobel 1974; Johnson and others 1982; Krzak 1980; Levno and Rothacher 1969; Means 1982a, 1982b; Mersereau and Dyrness 1972; Rice and others 1972; Rothacher 1971; Schoenberger and Perry 1982; Silen 1952; Stewart 1984; Swanson 1981; Tarrant 1954, 1956a, 1956b; Tarrant and Wright 1955; Waring 1976; Wells and others 1979; Yerkes 1960

Snowmelt:

Anderson and others 1976; Christner 1981; Christner and Harr 1982; Fredriksen 1965a; Harr 1979, 1981; Harr and Berris 1983; Harr and others 1982; Harr and McCorison 1979; Harr and Ranken 1973; Overton and White 1978; Shih and others 1973

Soil:

Disturbance (see also erosion, mass movement and soil movement):

Cromack and others 1978; Dyrness 1965b, 1966, 1967a, 1967c; Fredriksen 1970; Harr 1976a, 1976b, 1979; Harr and McCorison 1979; Johnson 1978; Johnson and Beschta 1980; Miles 1983; Miles and others 1984; Rice and others 1972; Schoenberger and Perry 1982; Swanson and others 1976a; Swanston 1974, 1981; Tarrant 1956b

Genesis:

James 1977

Mapping:

Dyrness and Hawk 1972; Hawk and Dyrness 1972; Simons and others 1978

Moisture:

Anderson and others 1976; Christner 1981; Dyrness 1969; Edmonds 1975, 1977; Fogel and others 1973; Fredriksen 1970; Harr 1973, 1976b, 1977, 1981; Harr and Berris 1983; Harr and Grier 1976; Harr and Ranken 1973; Hickman 1968, 1976; Holbo and others 1975; Johnson 1978; Johnson and Beschta 1980, 1981; Maser and Trappe 1984b; Miller and others 1976; Paeth and others 1971; Ranken 1974; Rothacher 1965b, 1971, 1973; Rothacher and others 1967; Running and others 1975; Santantonio 1981, 1982; Schoenberger and Perry 1982; Shih and others 1973; Sollins and others 1981b; Swanson and Swanston 1977; Swanston 1974; Swanston and others 1980; Swanston and Swanson 1976; Tarrant 1956a, 1956b; Waring and others 1973, 1978a; Waring and Running 1976; Wells and others 1979; Zobel 1975

Morphology:

Berntsen and Rothacher 1959; Brown 1974; Brown and Parsons 1973a, 1973b; Dyrness 1969, 1973a; Dyrness and Hawk 1972; Edmonds 1974, 1982b; Franklin 1965b; Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Harr and Ranken 1973; Hawk 1973a, 1977; Hawk and Dyrness 1972; Hawk and others 1978; Hawk and Zobel 1974; Hickman 1976; Johnson 1978; Means 1982a; Mills 1983; Paeth 1970; Paeth and others 1971; Rothacher 1965b; Rothacher and others 1967; Sollins and others 1984; Sullivan 1976; Swanson 1980; Swanston 1978, 1981; Swanston and others 1980; Tarrant 1956a, 1956b; Wells and others 1979

Movement (see also erosion, mass movement and soil disturbance):

Mersereau and Dyrness 1972; Paeth 1970; Paeth and others 1971; Swanson 1979, 1980, 1981; Swanson and Dyrness 1975; Swanson and others 1976a, 1981, 1982a, 1982c; Swanson and Fredriksen 1982; Swanson and James 1975a; Swanson and Sedell 1978; Swanson and Swanston 1977; Swanston 1974, 1976, 1978, 1981; Swanston and others 1980; Swanston and Swanson 1976

Stability:

Dyrness 1967a, 1970, 1975; Fredriksen and others 1975; Mersereau and Dyrness 1972; Mills 1983; Paeth 1970; Paeth and others 1971; Simons and others 1978; Swanson 1979; Swanston 1974, 1976, 1978, 1979, 1981; Swanston and others 1980; Swanston and Swanson 1976; Taskey 1978; Taskey and others 1978

Water flux:

Harr 1977, 1979; Harr and Grier 1976; Harr and Ranken 1973; Harr and Swanson 1980; Shih and others 1973; Sollins and McCorison 1981; Swanson and others 1982a; Swanston 1976

Solar radiation:

Coniferous 1977; Gay 1973; Gregory 1976; Levno and Rothacher 1967; Lyford and Gregory 1975; Naiman and Sedell 1980; Reed and others 1973; Running 1976; Sollins and others 1979; Tucker and Emmingham 1977; Waring 1980a, 1983; Waring and others 1978b; Waring and Running 1976

Solution chemistry (see also nutrients [soils]):

Sollins and others 1980a, 1980b; Sollins and McCorison 1981

Solution transport (see also erosion and soil movement):

Sollins and others 1980b; Swanson and others 1980, 1982a; Swanson and Sedell 1978

Species list (see also taxonomic checklist):

Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Mispagel and Rose 1978; Pike and others 1975; Rhoades 1972; Sherwood and Carroll 1974; Yerkes 1960

Stand ordination:

Dyrness and others 1971, 1976; Franklin and others 1970; McKee 1972; Zobel and others 1973a, 1973b, 1974, 1976

Stem analysis (see also vegetation mapping):

DeMars 1969; DeMars and others 1970; Dyrness 1973a; Franklin and others 1982; Fujimori 1977; Hawk 1973b, 1979; Hawk and others 1978; Herman and DeMars 1970; Herman and others 1975, 1978

Stemflow:

Grier and Cole 1972; Grier and others 1974; Miller and others 1976; Rothacher 1963

Stomatal behavior:

Marshall and Waring 1984; Reed and others 1973; Reed and Waring 1974; Running 1974; Tucker and Emmingham 1977; Waring 1971; Waring and Running 1978; Zobel 1974a, 1975

Storm runoff (see also flood control and stream discharge rate or flow):

Anderson and others 1976; Barnett 1963; Christner 1981; Christner and Harr 1982; Cummins and others 1983; Fredriksen 1965a, 1965b, 1972b; Harr 1976a, 1976b, 1977, 1981; Harr and others 1982; Rothacher 1959, 1973

Storms:

Dale and others 1984; Dyrness 1967b; Fredriksen 1965a; Gratkowski 1956; Rothacher 1963, 1965a, 1973; Rothacher and others 1967; Swanson 1979; Swanson and others 1976a

Stream:

Buffer strips:

Franklin and others 1981; Sedell and Froggatt 1984; Steinblums and others 1984

Communities (see also fish, invertebrates [aquatic], and periphyton):

Anderson and others 1978; Anderson and Sedell 1979; Cummins 1980; Cummins and others 1984; Dudley and Anderson 1982; Franklin and others 1981; Gregory 1983; Hawkins 1981, 1982; Hawkins and others 1982, 1983; Hawkins and Sedell 1981; Lyford and Gregory 1975; McIntire 1971; McIntire and Colby 1978; McIntire and others 1971, 1975; Meehan and others 1977; Minshall and others 1983; Murphy 1978; Murphy and others 1981; Murphy and Hall 1981; Norris and others 1983; Rounick and Gregory 1981; Sedell 1972; Sedell and others 1973, 1982; Triska and Cromack 1980; Triska and others 1982; Vannote and others 1980; Waring 1980c; Wilzbach and Hall 1985

Detritus (see also litter and litterfall [aquatic], and organic matter [streams]):

Aho and others 1973; Anderson and others 1978, 1984a; Anderson and Grafius 1975; Anderson and Sedell 1979; Aumen and others 1983; Cromack and others 1978; Cummins 1980; Cummins and others 1983; Dahm 1984; Dahm and others 1981; Edmonds 1975, 1977; Everest and Meehan 1981; Franklin and others 1981; Grafius 1977; Grafius and Anderson 1979, 1980; Hawkins and others 1982; Hawkins and Sedell 1981; Maser and Trappe 1984b; McIntire and Colby 1978; Meehan and others 1977; Naiman and Sedell 1979a, 1979b, 1980; Pereira and others 1982; Rothacher 1959; Sedell and Dahm 1984; Sedell and others 1973, 1974, 1975, 1978; Sedell and Froggatt 1984; Sollins and others 1985; Speaker and others 1984; Triska and others 1984; Ward 1984

Discharge rate or flow (see also hydrology):

Anderson and others 1976; Brown 1973; Christner 1981; Christner and Harr 1982; Edmonds 1975; Fredriksen 1965a, 1969, 1970; Fredriksen and Harr 1979; Harr 1976a, 1976b, 1977, 1981; Harr and others 1982; Harr and McCorison 1979; Henderson and others 1978; Keller and Swanson 1979; Lienkaemper and Swanson 1980; Rothacher 1965a, 1965b, 1970, 1971, 1973; Rothacher and others 1967; Shih and others 1973; Sollins and others 1980b; Swanson 1979; The Timberman 1957; Triska and others 1982

Functions:

Cummins and others 1984; Dahm 1984; Naiman and Sedell 1980; Sedell and Dahm 1984; Speaker and others 1984; Triska and others 1982; Vannote and others 1980; Waring 1980c

Gradient

Haer and others 1984; Twkins and others 1983; Murphy and others 1981; Murphy and Hall 1981; Naiman and Sedell 1979a; Sedell and others 1978

Hydrology (see also stream discharge rate or flow):

Christner 1981; Christner and Harr 1982; Harr 1976b; Keller and Swanson 1979; Naiman and Sedell 1979a; Rothacher 1959; Sedell and others 1978

Management

Cromack and others 1978; Cummins 1980; Frear 1982; Meehan and others 1977; Sedell 1972; Sedell and others 1973, 1982; Sedell and Froggatt 1984; Sedell and Luchessa 1982; Steinblums and others 1984; Swanson and others 1976b; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Triska and Cromack 1980; Triska and others 1982; USDA, Forest Service, 1958; Waring 1976

Morphology:

Hawkins and others 1983; Keller and Swanson 1979; Meehan and others 1977; Minshall and others 1983; Sedell and others 1978, 1982; Sedell and Luchessa 1982; Swanson and others 1976b, 1980, 1982b; Swanson and Lienkaemper 1978; Swanson and Swanson 1977; Triska and others 1984

Order.

Anderson and others 1978; Cummins and others 1983; Meehan and others 1977; Minshall and others 1983; Naiman and Sedell 1979a, 1979b, 1980, 1981; Sedell and others 1978, 1982; Swanson and others 1982b; Triska and Cromack 1980; Triska and others 1982; Vannote and others 1980

Processes (see also erosion, sediments-sedimentation, and stream discharge rate or flow):

Christner 1981; Cummins and others 1983, 1984; Dahm 1984; Frear 1982; Fredriksen 1963, 1965a; Fredriksen and Harr 1979; Harr 1976b; Keller and Swanson 1979; Levno and Rothacher 1967; Naiman and Sedell 1980; Rothacher 1959; Rounick and Gregory 1981; Sedell and Dahm 1984; Sedell and others 1978; Speaker and others 1984; Swanson 1979, 1980; Swanson and others 1973, 1976b, 1980, 1982a, 1982b; Swanson and Fredriksen 1982; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Swanson 1974; Ward 1984, 1985

Structure:

Cummins 1980; Hawkins and others 1982,1983; McIntire and others 1971, 1975; Minshall and others 1983; Sedell 1972; Sedell and others 1973, 1982; Triska and others 1982; Vannote and others 1980; Waring 1973b, 1980c

Substrates:

Gregory 1978; Hawkins and others 1982, 1983; Sedell and Luchessa 1982

Succession (see also forest regeneration):

Cromack and others 1978; Dale and others 1984; Dyrness 1965a; Edmonds 1974, 1975, 1977; Franklin 1979b, 1982a, 1982b; Franklin and Dyrness 1969, 1973; Franklin and others 1982; Franklin and Hemstrom 1981; Franklin and Mitchell 1967; Franklin and Waring 1980; Gholz and others 1977; Harris and others 1982; Hawk 1977; Hawk and Zobel 1974; Hemstrom and Adams 1982; Hemstrom and Franklin 1981; Maser and Trappe 1984b; Means 1982b; Murphy and others 1981; Sherwood and Carroll 1974; Stewart 1984; Sullivan 1978; Swanson 1979; Swanson and others 1982b; Vannote and others 1980; Waring 1973a, 1980c; Yerkes 1958, 1960

Synthesis report (Coniferous Forest Biome):

Aho and others 1973; Edmonds 1974, 1975, 1977, 1982a; Franklin and others 1972a; Waring 1973b; Waring and Edmonds 1974

Taxonomic checklist (see also species list):

Anderson 1976b; Anderson and others 1982; Berntsen and Rothacher 1959; Dudley and Anderson 1982; Franklin and Dyrness 1971; Hickman 1968; Lewis and Maser 1981; Lightfoot 1986; Pike 1972a; Sherwood 1973; Voegtlin 1982

Taxonomy:

Fungi:

Fogel 1975a, 1975b, 1979

Invertebrates:

Andre 1980; Cooper 1981; Mahmoud 1979; Rausch 1975; Razafimahatratra 1978, 1980; Schwartz 1981; Stonedahl 1982, 1984

Vascular plants:

Franklin 1961 b; Hickman 1968

Vertebrates:

Jackman and Scott 1975

Temperature:*Air.*

Coniferous 1977; Emmingham 1982; Emmingham and Lundberg 1977; Emmingham and Waring 1977; Gholz 1979, 1982; Grier and Cole 1972; Harr 1981; Harr and Barris 1983; Holbo 1973; McKee and others 1981; Mispagel and Rose 1978; Reed and Waring 1974; Rothacher and others 1967; Running 1976; Sader 1984; Sollins and others 1979; Waring 1971; Waring and others 1978a, 1978b; Waring and Running 1976; Wiens and Nussbaum 1975; Zobel 1971, 1975; Zobel and others 1973b, 1974, 1976

Soil:

Emmingham and Lundberg 1977; Emmingham and Waring 1977; Franklin 1961b, 1963; Harr and Barris 1983; Maser and Trappe 1984b; McBrayer and others 1977; McNabb and Cromack 1983; Miller and others 1976; Reed and Waring 1974; Running and others 1975; Sader 1984; Santantonio 1982; Schoenberger and Perry 1982; Silen 1956, 1960; Sollins and others 1977; Waring and others 1973, 1978a; Waring and Running 1976; The Timberman 1957; Wells and others 1979; Zobel 1971, 1975; Zobel and others 1973b, 1974, 1976

Stress:

Gholz 1978; Gholz and others 1976; Waring and Franklin 1979; Zobel and others 1976

Water.

Fredriksen 1972a; Fredriksen and Harr 1979; Grafius and Anderson 1979, 1980; Gregory 1976; Levno and Rothacher 1967, 1969; Meehan and others 1977; Rothacher and others 1967; Sedell and others 1973

Timber harvesting:

Anderson and others 1976; Berntsen and Rothacher 1959; Brown 1973; Carkin and others 1978; Carow 1959; Carow and Ruth 1957; Carow and Silen 1957; Christner and Harr 1982; Dale and others 1984; Dealy 1959; Dyrness 1965a, 1965b, 1966, 1967 c, 1973b; Edmonds 1974, 1975; Forest Industries 1962; Franklin 1965a; Fredriksen 1970, 1971, 1972a; Fredriksen and others 1975; Fredriksen and Harr 1979; Gashwiler 1959; Gholz and others 1977; Harr 1976a, 1976b, 1981; Harr and others 1982; Harr and McCorison 1979; Harris and others 1982; Johnson 1978; Johnson and Beschta 1980; Krzak 1980; Larson 1981; Levno and Rothacher 1967, 1969; Marion 1981; Mersereau and Dyrness 1972; Murphy and Hall 1981; Rice and others 1972; Rothacher 1965b, 1970, 1971, 1973; Ruth and Silen 1950; Sedell and others 1973, 1982; Silen 1955; Sollins and McCorison 1981; Sullivan 1976, 1978; Swanson 1979; Swanson and Dyrness 1975; Swanson and others 1976a, 1981; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Swanston 1974, 1976; Swanston and Swanson 1976; The Timberman 1957; Tucker and Emmingham 1977; Waring 1976; Wustenberg 1954; Yerkes 1958, 1960

Topography:

Berntsen and Rothacher 1959; Boyce and Wagg 1953; Franklin 1965b; Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Fredriksen 1970; Hawk 1977; Hickman 1968; Steinblums and others 1984; Sullivan 1976; Swanson and James 1975a, 1975b; Waring 1982

Transpiration (see also evaporation):

Anderson and others 1976; Edmonds 1975; Emmingham 1982; Harr 1979; Harr and others 1982; Kline and others 1972, 1973, 1976; Meentemeyer 1977; Reed and Waring 1974; Rothacher 1971; Running and others 1975; Shih and others 1973; Waring 1971, 1973a, 1973b; Waring and Edmonds 1974; Waring and others 1973; Waring and Running 1976, 1978; Webb and others 1978, 1983; Zobel 1974a

Tree:*Diameter.*

Hemstrom and Adams 1982; Means 1982a; Stewart 1984; Waring 1982; Waring and Franklin 1979

Mortality (see also fallen trees, seedling growth and survival, windthrows, and woody debris):

Franklin 1982a; Franklin and others 1982; Franklin and Mitchell 1967; Graham 1981a, 1981 b; Hemstrom and Adams 1982; Means 1982a; Waring 1980b, 1980c, 1983

Planting:

Anderson and others 1976; Berntsen 1958; Rothacher and Franklin 1964

Vigor.

Waring 1980b, 1980c, 1983

Trophic relations:

Aho and others 1973; Carroll 1980; Colby and McIntire 1978; Cummins 1980; Gregory 1983; Hawkins and Sedell 1981; Mispagel and Rose 1978; Murphy and others 1981; Norris and others 1983; Sedell and others 1973; Strand 1973a; Warren 1971; Wilzbach and Hall 1985

Vegetation:*Mapping (see also stem analysis):*

Dyrness 1973a; Dyrness and Hawk 1972; Hawk 1973b, 1979; Hawk and Dyrness 1972

Plot data:

Means 1980, 1982a

Study:

Campbell and Franklin 1979; Dyrness 1965a, 1973a, 1973b; Dyrness and Hawk 1972; Franklin and Dyrness 1969, 1971, 1973; Hawk 1973a; Hickman 1968, 1976; Miles 1983; Yerkes 1960

Zones (see also forest zones):

Gholz 1979, 1982; Grier and Running 1977; Waring and Edmonds 1974; Zobel and others 1974, 1976

Vertebrate biology:

Forsman 1976, 1980; Forsman and others 1984; Gashwiler 1959, 1961, 1963, 1965a, 1965b, 1970b, 1971a, 1977, 1979; Gashwiler and Ward 1966, 1968; Hawkins and others 1983; Jackman and Scott 1975; Maser and others 1978a, 1978b; McCullough 1964; Nussbaum and Clothier 1973; Nussbaum and Maser 1975; Parsons 1975; Peacock and Nussbaum 1973; Ure and Maser 1982; Whitaker and others 1977; Whitaker and Maser 1976; Wiens and Nussbaum 1975; Wilzbach and Hall 1985; Wyatt 1959

Water:*Balance (plants):*

Gholz 1979, 1982; Grier and Running 1977; Long 1982; Sollins and others 1980a; Waring 1985

Conductance (plants (see also water flux):

Edmonds 1975, 1977; Kline and others 1972, 1973, 1976; Running 1976; Running and others 1975; Waring and others 1977, 1982; Waring and Running 1976, 1978

Cycling:

Coniferous 1977; Edmonds 1974, 1975, 1977; Franklin and others 1981; Fredriksen and Harr 1979; Sollins and others 1974, 1979, 1980b, 1982; Waring 1973b; Waring and Edmonds 1974; Waring and others 1980

Flux (conifers) (see also water conductance):

Running and others 1975; Waring and others 1973; Waring and Running 1976

Quality (streams):

Anderson and others 1976; Brown 1973; Cushing and others 1980; Edmonds 1974, 1975; Fredriksen 1971, 1972a; Fredriksen and others 1975; Fredriksen and Harr 1979; Minshall and others 1983; Moore and others 1974; Naiman and Sedell 1979a, 1980; Rothacher and others 1967; Sedell and others 1975; Sollins and McCorison 1981; Triska and others 1984; Triska and Sedell 1976

Relations (plants) (see also sapwood water storage, water balance, and water conductance):

Edmonds 1977; Grier and others 1978; Howe 1978; Running and others 1975; Waring 1985; Waring and others 1980; Webb and others 1978

Sampling:

Fredriksen 1969

Yield (streams) (see also stream discharge rate or flow):

Anderson and others 1976; Brown 1973; Harr 1976a, 1979; Harr and others 1982; Rothacher 1970, 1971

Watershed management (see also forest management and stream management):

Anderson and others 1976; Barnett 1963; Berntsen and Rothacher 1959; Franklin and others 1981; Fredriksen 1971; Hall and others 1978; Harr 1976a, 1976b; Murphy and Hall 1981; Naiman and Sedell 1981; Rice and others 1972; Swanson 1981; Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982; Swanston 1974, 1976, 1978, 1979, 1981; Swanston and others 1980; USDA, Forest Service, 1958

Weathering:

James 1977; Sollins and others 1980b

Wildfire:

Burke 1979; Stewart 1984; Swanson 1981

Wildlife management:

Dealy 1959, 1966; Forsman and others 1984; Harris 1984a, 1984b; Harris and others 1982; Jackman and Scott 1975; Nussbaum and Maser 1975; Ruggiero and Carey 1984; The Timberman 1957; USDA, Forest Service, 1958

Windthrows (see also fallen trees and woody debris):

Graham 1981a, 1981 b; Gratkowski 1956; Steinblums and others 1984

Woody debris:

Streams (see also fallen trees and organic matter [streams]):

Aumen and others 1983; Cromack and others 1978; Cummins 1980; Cummins and others 1983; Dudley and Anderson 1982; Everest and Meehan 1981; Franklin 1982b; Franklin and others 1981; Frear 1982; Fredriksen 1963, 1965a; Harmon and others 1986; Harr 1976b; Hawkins and others 1983; Keller and Swanson 1979; Levno and Rothacher 1967, 1969; Lienkaemper 1976; Lienkaemper and Swanson 1980; Maser and Trappe 1984b; Naiman and Sedell 1979a, 1979b; Pereira and others 1982; Rothacher 1959; Sedell and others 1973, 1982; Sedell and Luchessa 1982; Speaker and others 1984; Swanson and others 1976, 1980, 1982b; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Swanson and Swanston 1977; Swanston 1974, 1976; Triska and Cromack 1980; Triska and others 1982, 1984; Triska and Sed ell 1976; Waring 1980c

Terrestrial (see also fallen trees and windthrows):

Cline and Phillips 1983; Franklin 1982a, 1982b; Franklin and others 1981; Franklin and Waring 1980; Graham 1981a, 1981 b; Grier and Logan 1977; Harmon and others 1986; Maser and others 1978b; Means and others 1981, 1984, 1985; Sollins and others 1980b; Strand and Grier 1973; Thomas and others 1979; Triska and Cromack 1980; Waring 1980c

McKee, Arthur; Stonedahl, Gary M.; Franklin, Jerry F.; Swanson, Frederick J., comps. 1987. Research publications of the H.J. Andrews Experimental Forest, Cascade Range, Oregon, 1948 to 1986. Gen. Tech. Rep. PNW-GTR-201. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 74 p.

A list of publications resulting from research at the H.J. Andrews Experimental Forest, Willamette National Forest, Oregon, from 1948 to 1986 is presented. Nearly 600 publications are listed, including papers, theses, and abstracts. An index is provided that cross-references the listings under appropriate keywords.

Keywords: Bibliographies (forestry), Oregon (H.J. Andrews Exp. For.), H.J. Andrews Exp. For.--Oregon.

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