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Section 1. Legal Basis.

The National Environmental Policy Act. Pages 71:0101-0103.

- MacDonald, L.H., A. Smart, and R.C. Wissmar, 1991. Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. EPA/910/9-91-001, Region 10, Environmental Protection Agency, Seattle, WA, pp. 8-17.
- EPA, 2000. Overview of current Total Maximum Daily Load TMDL program and regulations. Various documents relating to TMDLS available at www.epa.gov/owow/tmdl. (See also the 1991 version on reserve, which is applicable until the revised rules are formally approved and released; pages ii-25 are particularly relevant.)
- National Research Council, 2001. Assessing the TMDL approach to water quality management. National Academy Press, Washington, D.C., 102 pp. (*Executive Summary* only; full report on reserve).
- FWS, 1999. The HCP approach. Endangered Species Bulletin, Volume XX, No. 6, U.S. Fish and Wildlife Service, Washington, D.C. More info on endangered.fws.gov.
- USFS, 1993. Aquatic conservation strategy. In *Forest Ecosystem Management: An Ecological*, *Economic, and Social Assessment*. Report of the Forest Ecosystem Management Assessment Team, Portland, OR. Pages V-29 to V-62.

Section 2. Concepts, Conceptual Approach, and Reviews.

- MacDonald, L.H., 2000. Evaluating and managing cumulative effects: process and constraints. *Environmental Management* 26(3): 299-315 (abstract only).
- Reid, L.M., 1991. Research and cumulative watershed effects. USDA Forest Service General Technical Report. PSW-141, Albany, CA. 118 pp.
- MacDonald, L.H., and J.D. Stednick, 2003. Forests and water: a state-of-the-art review for Colorado. Colorado Water Resources Research Institute, Colorado State University, Fort Collins, CO. 65 pp. Also available on-line at www.cwrri.colostate.edu.

Section 3. Predicting Cumulative Effects: Hydrology.

Troendle, C.A., and C.F. Leaf, 1980. Hydrology. Chapter III in Water resources evaluation of nonpoint silvicultural sources (a procedural handbook), EPA-600/8-80-012, Environmental Research Laboratory, Athens, GA. Entire book is on reserve and available on-line at http://elib.cs.berkeley.edu/docs/query.shtml; enter 1790 for document number).

- Harr, R.D., 1987. Myths and misconceptions about forest hydrologic systems and cumulative effects. In *Proceedings of the California Watershed Managment Conference*, Wildland Resources Center Report No. 11, University of California, Berkeley, pp. 137-141.
- King, J.G., 1989. Streamflow responses to road building and harvesting: a comparison with the Equivalent Clearcut Area procedure. U.S. Forest Service Res. Pap. INT-401, Ogden, UT, 13 p.
- Austin, S.A., 1999. Streamflow response to forest management: a meta-analysis using published data and flow duration curves. M.S. thesis, Dept. of Earth Resources, Colorado State University (abstract only). Full thesis on reserve and available through the ER department.

Section 4. Predicting Cumulative Effects: Sediment.

- USFS, 1981. Guide for predicting sediment yields from forested watersheds. Northern and Intermountain Regions, 48 pp. plus appendices.
- Dietrich, W.E., T. Dunne, N.F. Humphrey, and L.M. Reid, 1982. Construction of sediment budgets for drainage basins. In *Sediment Budgets and Routing in Forested Drainage Basins*, U.S. Forest Service Gen. Tech. Rep. PNW-141, p. 5-23.
- Reid, L.M., and T. Dunne, 1996. Rapid evaluation of sediment budgets. Catena Verlag GMBH, Reiskirchen, Germany, pp. 1-9 (entire book of 164 pages is on reserve).
- EPA, 1999. Protocol for developing sediment TMDLs. EPA 841-B-99-004, Office of Water, U.S. Environmental Protection Agency, Washington, D.C. On reserve and available on-line at www.epa.gov/owow/tmdl/techsupp.
- Bunte, K., and L.H. MacDonald, 1999. Scale considerations and the detectability of sedimentary cumulative watershed effects. NCASI Technical Bulletin no. 776, Research Triangle Park, North Carolina, 300 pp. (*Abstract, Conclusions and Recommendations* only). Full document on reserve and also available from NCASI (publications@ncasi.org).

Section 5. CWE and Watershed Analysis Procedures.

- Water resources evaluation of nonpoint silvicultural sources (a procedural handbook), 1980. EPA-600/8-80-012, Environmental Research Laboratory, Athens, GA. Chapters on hydrology, mass movements, surface erosion, sediment delivery, etc. Hard copy is on reserve and also available on-line at http://elib.cs.berkeley.edu/docs/query.shtml; at prompt enter 1790 for document number.
- Cobourn, J., 1989. An application of cumulative watershed effects (CWE) analysis on the Eldorado National Forest in California. In Proceedings of the Symposium on Headwaters Hydrology, American Water Resources Association, Bethesda, Maryland, pp. 449-460 (abstract only).
- Regional Ecosystem Office, 1995. Ecosystem analysis at the watershed scale: federal guide for watershed analysis. Version 2.2, Portland, Oregon. 26 pp.

- Montgomery, D.R., G.E. Grant, and K. Sullivan, 1995. Watershed analysis as a framework for implementing ecosystem management. *Water Resources Bulletin* 31(3): 369-386 (abstract only).
- Reid, L.M., 1994. Watershed analysis...whatever that is. *and* Grant, G., 1994. Introduction to watershed analysis: a retrospective. *Watershed Management Council Newsletter* 6(2); Water Resources Center, University of California, Davis, pp. 1, 16-17. and
- Reid, L.M., R.R. Ziemer, and T.E. Lisle, 1996. What a long strange trip it's been or who took the synthesis out of analysis? *Watershed Management Council Newsletter* 8: 6-7, Water Resources Center, University of California, Davis. 6 pp.
- EPA, 2004. Total Maximum Daily Loads: Technical support documents. Various documents providing guidance on developing TMDLs, particularly with respect to sediment, nutrients, and pathogens. www.epa.gov/owow/tmdl/techsupp.html.
- EPA, 2004. Watershed academy: publications. Series of documents on taking a watershed approach, watershed protection, monitoring, and training. On-line at www.epa.gov/owow/watershed/wacademy/its.html.
- Washington Department of Natural Resources, 2003. Watershed analysis in Washington State and Watershed Analysis Manual. Complete manual on-line at www.dnr.wa.gov/forestpractices/watershedanalysis/manual/.
- Oregon Watershed Enhancement Board, 1999. Introduction to watershed assessment (6 pp.) and Oregon watershed assessment manual. Available on-line at www.oweb.state.or.us/Publications/wa_manual99.shtml.
- North Coast Watershed Assessment Program, 2004. About the program (3 pp.). Draft manual and more information available on-line at www.ncwatershed.ca.gov/.
- Idaho Department of Lands, 2000. Forest practices: cumulative watershed effects process for Idaho. Available on-line at Available on-line at www2.state.id.us/lands.Bureau/ForestAssist/CWE-combined.pdf.
- British Columbia Ministry of Forests, 1999. The coastal watershed assessment procedure. 2 pages. www.for.gov.bc.ca/tasb/legsregs/fpc/fpcguide.coastal/cwap2.
- British Columbia Ministry of Forests, 1999. Interior watershed assessment procedure: overview. 2 pages. www.for.gov.bc.ca/tasb/legsregs/fpc/fpcguide.iwap/intro.htm.
- Bowling, L.C., and D.P. Lettenmaier, 2001. The effects of forest roads and harvest on catchment hydrology in a mountainous maritime environment. In M.S. Wigmosta and S.J. Burges (eds.), *Land Use and Watersheds: Human Influence on Hydrology and Geomorphology in Urban and Forest Areas*, American Geophysical Union, Washington, D.C., pp. 145-164 (abstract only).

- University of California Committee on Cumulative Watershed Effects, 2001. A scientific basis for the prediction of cumulative watershed effects. University of California Wildland Resource Center Report No. 46, University of California, Berkeley, CA. 103 pp.
- Leibowitz, S.G., B. Abbruzzese, P.R. Adamus, L.E. Hughes, and J.T. Irish, 1992. A synoptic approach to cumulative impact assessment. EPA/600/R-92/167, Office of Research and Development, U.S. Environmental Protection Agency, Washington, D.C. Through page 37; pp. 93-106.
- EPA, 1992. Compendium of watershed-scale models for TMDL development. EPA 841-R-92-002, Office of Water, U.S. Environmental Protection Agency, Washington, D.C., pp. 28-30.

Section 6. Case Studies.

- EPA, 2004. Examples of approved TMDLs. Available on-line at www.epa.gov/owow/tmdl/examples/.
- EPA, 1992a. TMDL case study: South Fork of the Salmon River, Idaho. Office of Water, U.S. Environmental Protection Agency, Washington, D.C. 7 pp. (Thirteen other TMDL case studies are available at www.epa.gov/owow/tmdl/case; approved TMDLs are listed by pollutant at www.epa.gov/owow/tmdl/examples.)
- Megahan, W.F., J.P. Potyondy, and K.A. Seyedbagheri, 1992. Best management practices and cumulative effects from sedimentation in the South Fork Salmon River: an Idaho case study. In R.J. Naiman (ed.), Watershed Management, Springer-Verlag, New York, N.Y., pp. 401-414 (abstract only).