

Soils References / Soils Geomorphology

Updated March 3, 2002

Beckett, P.M.T., and Webster, R., 1971, Soils variability: a review: Soils and Fertilizers, v. 34, p. 1-15.

Bigham, J.M., and Ciolkosz, E.J., 1993, Soil Color, Soil Science Society of America Special Publication No. 31, Madison, WI, 172 p.

Birkeland, P.W., 1990, Soil geomorphic research: A selective overview: Geomorphology, v. 3, p. 207-224.

Birkeland, Peter W., 1990, Soil-geomorphic research- a selective overview: Geomorphology, v. 3, p. 207-224.

ON FILE

Birkeland, P.W., 1990, Soil geomorphic analysis and chronosequences- a selective overview, in Knuepfer, P.L.K., and McFadden, L.D., eds., Soils and Landscape Evolution, 1990 Binghamton Geomorphology Symposium: Geomorphology, v. 3, p. 207-224.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Birkeland, P., Berry, M., and Swanson, D., 1991, Use of soil catena field data for estimating relative ages of moraines: Geology, v. 19, p. 281-283.

Birkeland, Peter W., 2001, Integrating soils and geomorphology in mountains—examples from the colorado front range and the central southern alps of new zealand, Abstracts with Program, Binghamton Symposium, Mountain Geomorphology: Integrating Earth Systems, University of North Carolina, Chapel Hill, North Carolina, p.11-12.

On File

Borman, B.T., et al. 1995 Rapid soil development after windthrow disturbance in pristine forests, in Journal of Ecology p.747-757.

On File

Bormann, B.T., Spaltenstein, H., McClellan, M.H., Ugolini, F.C., Cromack Jr., K., Nay, S.M., 1995, Rapid soil development after windthrow disturbance in pristine forests, Journal of Ecology, v. 83, pp. 747-757.

On file No PDF

Brady, N.C., 1990, The Nature and Properties of Soils, 10th ed.: New York, Macmillan.

Bull, W.B., 1990, Stream-terrace genesis: implications for soil development: Geomorphology, v. 3, p. 351-367.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l

Buol, S.W., Hole, F.D., and McCracken, R.J., 1989, Soil genesis and classification: Iowa State University Press, Ames, Iowa, 456 p. (I have chapter 2 on file, soil morphology)

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Casagrande, A., 1948, Classification and identification of soils: American Society of Civil Engineers Transactions, v. 113, p. 901-991.

Chadwick, O.A., Kelly, E.F., Merritts, D.M., and Amundson, R.G., 1994, Carbon dioxide consumption during soil development: Biogeochemistry, v. 24, p. 115-127.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Da Silva, Manoel C. 1996 Variations in tree communities and soils with slope in gallery forest, federal district, Brazil, in Advances in Hillslope Processes Volume 1, p. 451-469.

On File

Da Silva Jr., M.C., Furley, P.A., Ratter, J.A., 1996, Variations in tree communities and soils with slope in Gallery Forest, Federal District, Brazil, in Anderson, M.G. and Brooks, S.M., eds., Advances in Hillslope processes, volume 1; John Wiley and Sons Ltd., pp. 451-469.

On file No PDF

Gerrard, A.J., 1990, Soil variations on hillslopes in humid temperate climates: Geomorphology, v. 3, p. 225-244.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Gile, L.H., 1975, Holocene soils and soil-geomorphic relations in arid regions of southern New Mexico: Quaternary Research, v. 5, p. 31-36.

Gile, L.H., 1977, Holocene soils and soil-geomorphic relations in arid regions of southern New Mexico: Quaternary Research, v. 7, p. 112-132.

Harden, J., 1982, A quantitative index of soil development from field descriptions: Examples from a chronosequence in central California: Geoderma, v. 28, p. 1-28.

Harden, J.W., 1990, Soil development on stable landforms and implications for landscape studies: Geomorphology, v. 3, p. 391-398.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Harden, J.W., and Taylor, E.M., 1983, A quantitative comparison of soil development in four climatic regimes: Quaternary Research, v. 28, p. 342-359.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):h

Harpstead, M., and Hole, R., 1980, Soil science simplified: Ames, Iowa State University Press.

Harrison, J.B.J., McFadden, L.D., and Weldon, R.J., 1990, Spatial soil variability in the Cajon Pass chronosequence: implications for the use of soils as a geochronological tool: Geomorphology, v. 3, p. 399-416.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Johnson, D.L., Keller, E.A., Rockwell, T.K., 1990, Dynamic pedogenesis: new views on some key soil concepts, and a model for interpreting quaternary soils: Quaternary Research, v. 33, p. 306-319.

ON FILE

Kirkham, D., 1964, Soil physics, in Chow, V.T., Handbook of applied hydrology: McGraw-Hill, Inc., p.

5-1 - 5-26.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Knuepfer, P., and McFadden, L., ed.s, 1990, Soils and landscape evolution: Proceedings of the 21st Binghamton Symposium in Geomorphology, Geomorphology, v. 3, 3/4, 378 p.

Legget, R., 1967, Soil: Its geology and use: Geological Society of America Bulletin, v. 78, p. 1433-1460.

McFadden, L.D., and Knuepfer, P.J.K., 1990, Soils geomorphology: the linkage of pedology and surficial processes: Geomorphology, v. 3, p. 197-205.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):h

McFadden, L.D., Ritter, J.B., and Wells, S.G., 1989, Use of multiparameter relative-age methods for age estimation and correlation of alluvial fan surfaces on a desert piedmont, Eastern Mojave Desert, California: Quarternary Research, v. 32, p. 276-290.

Merritts, D.J., Chadwick, O.A., and Hendrick, D.M., 1991, Rates and processes of soil evolution on uplifted marine terraces, northern California: Geoderma, v. 51, p. 241-275.

On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h

Nay, S.M., Mattson, K.G., Bormann, B.T., 1994, Biases of chamber methods for measuring soil CO₂ efflux demonstrated with a laboratory apparatus, Ecology, v. 75, no. 8, pp. 2460-2463.

On file No PDF

Nay, S.M. and Bormann, B.T., 2000, Soil carbon changes: comparing flux monitoring and mass balance in a box lysimeter experiment, Soil Science Society of America Journal, v. 64, no. 3, pp. 943-948.

On file No PDF

Nay, S.M. and Borman, B.T. 2000 Soil Carbon changes: comparing flux monitoring and mass balance in a box lysimeter experiment in Soil Science Society American Journal, p.943-948.

On File

Nay, Mark S et al. 1994 Biases of chamber methods for measuring soil carbon dioxide efflux demonstrated with a laboratory apparatus, in Ecological Society of America, p. 2460-2463.

On File

Pavich, M.J., Brown, L., Harden, J.W., Klein, J., and Middleton, R., 1986, Be¹⁰ distribution in soils from Merced River terraces, California: Geochimica et Cosmochimica Acta, v. 50, p. 1727-1735.

Pye, K., 1995, The nature, origin and accumulation of loess: Quaternary Science Reviews, v. 14, p. 653-667.

Abstract on File from Current Contents

Renard, Kenneth G., Foster, George R., Weesies, Glenn A., Porter, Jeffery P., 1991, Revised universal soil loss equation: Journal of Soil and Water Conservation, p. 30-33.

ON FILE

Retallack, G.J., 1988, Field recognition of paleosols: Geological Society of America Special paper 216, p. 1-19.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l

Shelmon, R.J., 1985, Application of soil-stratigraphic techniques to engineering geology: Association of Engineering Geologists Bulletin, v. 22, p. 129-142.

Shelmon, R.J., and Wright, R.H., 1983, Soil-stratigraphic dating of colluvial-filled gullies, Pacifica, California: Geological Society of America Abstracts with Programs, v. 15, p. 328.

Simon, A., Larsen, M.C., and Hupp, C.R., 1990, The role of soil processes in determining mechanisms of slope failure and hillslope development in a humid-tropical forest, eastern Puerto Rico, Geomorphology, v. 3, p. 263-286.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l

Singer, M.J., and Janitzky, P., eds., 1986, Field and laboratory procedures used in a soil chronosequence study: U.S. Geological Survey Bulletin, 1648, 49 p.

Soil Conservation Service, 1984, Procedures for collecting soil samples and methods of analysis for soil survey, revised edition, U.S.D.A./S.C.S. Soil Survey Invet. Rep. No. 1, U.S. Govt. Print. Office, Washington, D.C.

Soil Survey Staff, 1951, Soil Survey Manual, Agricultural Handbook 18, Soil Conservation Service, U.S.D.A., Washington, D.C.

Soil Survey Staff, 1975, Soil taxonomy: a basic system of soil classification for making and interpreting soil surveys, Agricultural Handbook 436, Soil Conservation Service, U.S.D.A., Washington, D.C.

Soil Survey Staff, 1990, Keys to soil taxonomy (4th ed.), Soil Management Support Services Technical Monograph 19, Virginia Polytechnic Institute and State University, Blacksburg.

Soil Survey Staff, 1994, Keys to soil taxonomy (6th ed.), U.S.D.A., Soil Conserv. Serv., Washington, D.C.

Soil Survey Staff, 1975, Soil taxonomy: A basic system of soil classification for making and interpreting soil survey: U.S. Dept. of Agriculture, Soil Conservation Service, Agriculture Handbook No. 436, Washington, D.C., U.S. Government Printing Office, 754 p.

Soil Survey Staff, 1981, Replacement chapter to Handbook 18, Soil Survey Manual, released May 1981: U.S. Dept. of Agriculture, Soil Conservation Service.

Stevens, P.R., and Walker, T.W., 1970, the chronosequence concept and soil formation: Quarterly Review of Biology, v. 45, p. 333-350.

Switzer, P., Harden, J.W., and Mark, R.K., 1988, A statistical method for estimating rates of soil development and ages of geological deposits: a design for soil chronological studies: Mathematical Geology, v. 20, p. 49-61.

Tonkin, P.J., and Basher, L.R., 1990, Soil-stratigraphic techniques in the study of soil and landform evolution across the Southern Alps, New Zealand: *Geomorphology*, v. 3, p. 547-575.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Yaalon, D.H., ed., 1971, *Paleopedology: Origin, Nature and Dating of Paleosols*: Jerusalem, International Society of Soil Science and Israel Universities Press.

Yaalon, D.H., 1975, Conceptual models in pedogenesis: Can soil-forming functions be solved?: *Geoderma*, v. 14, p. 189-205.