Landscape Evolution / Principles of Geomorphology

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- Allen, J.R.L., 1974, Reaction, relaxation and lag in natural systems; general principles, examples and lessons: Earth Science Reviews, v. 10, p 263-342.
- Anhert, F., 1976, Brief description of a comprehensive three-dimensional process-response model of landform development: Zeitschrift fur Geomorphologie, Supplementband, v. 25, p. 29-49.
- On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m
- Anhert, F., 1987, Process-response models of denudation at different spatial scales, in Geomorphological modes; theoretical; and empirical aspects: Catena Supplement, v. 10, p. 31-50.
- Anhert, F., 1988, Modelling landform change, in Anderson, M.G., ed., Modelling Geomorphological Systems: Chichester, Wiley, p. 375-400.
- Anderson, M.G., ed., 1988, Modelling geomorphological systems: Chichester, Wiley.
- Baker, V.R., 1988, Cataclysmic processes in geomorphological systems: Zeitschrift fur Geomorphologie Supplementband, v 67, p. 25-32.
- Baker, V.R., 1996, The pragmeatic roots of American Quaternary geology and geomorphology: Geomorphology, v. 16, p. 197-215.

Abstract on File from Current Contents

- Brunsden, D., 1980, Applicable models of long term landform evolution: Zeitschrift fur Geomorphologie, Supplementband v. 36, p. 16-26.
- Brunsden, D., 1984, Tablets of stone: Toward the Ten commandments of geomorphology: Zeitschrift fur Geomorphologie Supplementband, v. 79, p. 1-37.
- Brunsen, D., and Thornes, J.B., 1974, Landscape sensitivity and change: British Institute of Geography Transactions, v. 4, p. 71-95.???
- Brunsden, D., and Thornes, J.b., 1979, Landscape sensitivity and change: Institute of British Geographers Transactions, v. 3, p. 463-484.???
- Bull, W.B., 1976, Landforms that do not tend toward a steady state in Melhorn, W.N., and Flemal, R.C., eds., Theories of landform development: SUNY Binghamton, Publications in Geomorphology, 6th annual Meeting, p. 111-128.
- Bull, W.B., 1991, Geomorphic Responses to Climatic Change: Oxford, Oxford University Press, 326 p. On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h
- Bull, W.B., 1991, Conceptual models for changing landscapes, in Bull, W.B., Geomorphic Responses to Climatic Change: Oxford, Oxford University Press, p. 3-31.
- On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h
- Cendrero, A., and Dramis, F., 1996, The contribution of landslides to landscape evolution in Europe: Geomorphology, v. 15, p. 191-211.

Abstract on File from Current Contents

Chorley, R.J., 1962, Geomorphology and the general systems theory: U.S. Geological Survey Professional Paper 500-B, 10 p.

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

Chorley, Richard J., 1962 Geomorphology and general systems theory, in Geological Survey Professional Paper 500-B, p. B1-B10.

On File

Church, Michael., 1996 Space, time and the mountain-how do we order what we see, in The Scientific Nature of Geomorphology: Proceedings of the 27th Binghamton Symposium in Geomorphology held 27-29 September 1996, p. 147-170.

On File

- Coates, D.R., and Vitek, J.D., 1980, eds., Thresholds in geomorphology: Allen and Unwin, London, 498 p.
- Dalrymple, J.B., Blng, R.J., and Conacher, A.J., 1968, A hypothetical nine-unit landsurface model: Zeitschrift für Geomorphologie Supplementband, v. 12, p. 60-76.
- Davis, W.M., 1889, The rivers and valleys of Pennsylvania: National Geographic Magazine, v. 1, p. 183-253.
- Davis, W.M., 1899, The geographic al cycle: Geographical Journal, v. 14, p. 481-501. On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Davis, W.M., 1902, Base-level, grade, and peneplane: Journal of Geology, v. 10, p. 77-111.

England, Philip, 1990, Surface uplift of rocks, and exhumation of rocks, in Geology v. 18, p. 1173-1177.

On File

- Gardner, T.W., Jorgensen, D.W., Shuman, C., and Lemieux, C.R., 1987, Geomorphic and tectonic process rates: effects of measured time interval: Geology, v. 15, p. 259-261.
- Gilchrist, A.R., and Summerfield, M.A., 1991, Denudation, isostasy and landscape evolution: Earth Surface Processes and Landforms, v. 16, p. 555-562.

(this is in with the tectonic refs, Don't I have this somewhere???)

Hack. J.T., 1960, Interpretation of erosional topography in humid temperate regions: American Journal of Science, 258-A, p. 80-97.

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

Hack, J.T., 1975, Chapter - 5 Dynamic equilibrium and landscape evolution, in Melhorn, W., and Flemal,R., eds., Theories of Landform Development: Publications in Geomorphogy, SUNY Binghamton,p. 91-102.

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

Higgins, C.G., 1975, Chapter 1 - Theories of landscape development - A perspective, in Melhorn, W., and Flemal, R., eds., Theories of Landform Development: Publications in Geomorphogy, SUNY Binghamton,???

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

- Howard, A.D., 1965, Geomorphological systems: equilibrium and dynamics: American Journal of Science, v. 263, p. 302-312.
- Howard, A.D., 1994, A detachment-limited model of drainage basin evolution: Water Resources Research, v. 30, p. 2261-2285.
- Judson, S., and Ritter, D.F., 1964, Rates of regional denudation in the United States: Journal of Geophysical Research, v. 69, p. 3395-3401.

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

- King, L.C., 1953, Canons of landscape evolution: Geological Society of America Bulletin, v. 64, p. 721-751.
- Langbein, W.B., and Schumm, S.A., 1958, Yield of sediment in relation to mean annual precipitation: Transactions of the American Geophysical Union, v. 30, p. 1076-1084.
- Mackin, J.H., 1948, The concept of the graded stream: Geological Society of America Bulletin, v. 59, p. 463-512.
- Mandryk, Carole, A.S., et al. 2000, Late quaternary paleoenvironments of northwestern north america: implications for inland versus coastal migration routes, in Quaternary Science Reviews 20, p. 301-314.

On File

- Melhorn, W., and Flemal, R., eds., 1975, Theories of Landform Development: Publications in Geomorphogy, SUNY Binghamton, p. ??
- Mock, Cary J., and Bartlein, Patrick J., 1995, Spatial variability of late quaternary paleoclimates in the western united states, in Quaternary Research 44, p. 425-433.

On file

Osterkamp, W.R. and Hupp, C.R. 1996 The evolution of geomorphology, ecology, and other composite sciences, in The Scientific Nature of Geomorphology: Proceedings of the 27th Binghamton Symposium in Geomorphology held 27-29 September 1996, p. 415-441.

On File

- Palmquist, R.C., 1975, The compatibility of structure, lithology, and geomorphic models: in Melhorn, W., and Flemal, R., eds., Theories of Landform Development: Publications in Geomorphogy, SUNY Binghamton, p. ??
- On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m
- Paine, A.D.M., 19??, "Ergodic" reasoning in geomorphology: Time for a review of the term: ??? don't know where it's from?
- On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m
- Pinter, N., and Brandon, M.T., 1997, How erosion builds mountains: Scientific American, v. 276, no. 4, p. 74-79.
- On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

Ritter, D.F., 1988, Landscape analysis and the search for geomorphic unity: Geological Society of America Bulletin, v. 100, p. 160-171.

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

- Scheidegger, A.E., 1987, The fundamental principles of landscape evolution: Catena Supplement, v. 10, p. 199-210.
- Scheidegger, A.E., 1994, Hazards: singularities in geomorphic systems: Geomorphology v. 10, p. 19-25. On file(Y/N):y Read?(Y/N):y X-ref(Y/N):y Applicability(0,low,m,high):l-m
- Schmidt, K.M., and Montgomery, D.R., 1995, Limits to relief: Science, v. 270, p. 617-620.
- Schumm, S.A., 1963, The disparity between present rates of denudation and orogeny: U.S. Geological Survey Professional Paper, 454-H.
- Schumm, S.A., 1975, Chapter 4 Episodic Erosion: A modification of the geomorphic cycle: in Melhorn, W., and Flemal, R., eds., Theories of Landform Development: Publications in Geomorphogy, SUNY Binghamton, p. ??
- On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):l
- Schumm, S.A., 197?, Geomorphic thresholds: the concept and its applications: Progress in Physical Geography Transactions, v. 4, p. 485-515.
- Schumm, S.A., and Lichty, R.W., 1965, Time, space and causality in geomorphology: American Journal of Science, v. 263, p. 110-119.
- Strahler, A.N., 1950, Equilibrium theory of erosional slopes approached by frequency distribution analysis: American Journal of Science, v. 248, p. 673-696, 800-814.
- Strahler, A.N., 1952, Dynamic basis of geomorphology: Geological Society of America Bulletin, v. 63, p. 923-938.

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

Summerfield, M.A., 1996, Understanding landscape development: The evolving interface between geomorphology and other earth sciences: Area, v. 28, p. 211-220.

Abstract on File from Current Contents

Whipple, Kelin X., Tucker, Gregory E., 1999, Dynamics of the stream-power river incision model: implications for height limits of mountain ranges, landscape response timescales, and research needs: Journal of Geophysical Research, v. 104, No. B8, p.17661-17674. ON FILE

Whipple, Kelin X., Kirby, Eric, Brocklehurst, Simon H., 1999, Geomorphic limits to climate-induced increases in topographic relief: Nature, v. 401, p. 39-43. ON FILE