

## 8. LETTURE CONSIGLIATE

### Ecologia fluviale

A.A.V.V. (1996) – Buffer Zone: Their processes and potential in water protection (Ed. Heycock N.E., Burt T.P., Goulding K.W.T, Pinay G.) – Proceedings of International Conference on Buffer Zone – Guest Environmental, P.O. Box 45, Harpenen, Hertfordshire, AL5 5LJ, UK

BALDACCINI G.N., SANSONI G., 2002. *Prime riflessioni sull'applicazione dell'Indice di Funzionalità Fluviale*. *Biologia Ambientale*, 16 (1):29-33.

BOON P.J., CALOW P., PETTS G.E. (eds). 1992. *River conservation and management*. John Wiley & Sons, Chichester, 470 pp.

BOSCH D.D., HUBBARD R.K., WEST L., LOWRANCE R.R. 1994. Subsurface flow patterns in a riparian buffer system. ASAE Internat. Meeting, Chicago, Il. Paper No 93-2551

BROOKES A. (1988) - Channelized Rivers: Perspectives for Environmental Management – Wiley J. & Sons – Chichester, UK

CALOW P., PETTS G.E. (eds) (1992) – The Rivers Handbook (Ed. Callow P., Petts G.) Vol 1 e 2 – Blackwell Scientific Publications, Oxford, England

CANNATA P.G. 1994. Governo dei bacini idrografici. Sistemi tecnici e pianificatori. ETAS libri. Scienze del territorio.

CHANG H.H. 1988. *Fluvial processes in river engineering*. J. Wiley & Sons, 432 pp.

CUMMINS K.W. 1974. Structure and function of stream ecosystems. *BioScience*, 49 (1): 24-30

CUMMINS K.W., KLUG M.G. 1979. Feeding ecology of stream invertebrates. *Ann. Rev. Ecol. Syst.*, 10: 147-172

CUMMINS K.W. 1988. The study of stream ecosystem: a functional view. In L.R. Pomeroy and J.J. Albert (eds): *Ecosystem processes*, Springer-Verlag, New York, 240-245

D'ANGELO D.J., WEBSTER J.R., BENFIELD E.F. 1991. Mechanisms of stream phosphorus retention: an experimental studies. *J. N. Am. Benthol. Soc.* 10 (3): 225-237

DAWSON F.H., HANSEN U.K. 1979. The effect of natural and artificial shade on the macrophytes of lowland streams and the use of shade as a management technique. *Int. Revue Ges. Hydrobiol.*, 64 (4): 437-455

DECAMPS H., PLANTY-TABACCHI A.M., TABACCHI E. 1995. Change in the hydrological regime and invasions by plant species along riparian systems of the Adour river, France. *Reg. Rivers: research & management.* 11: 23-33.

GILBERT J., DOLE-OLIVIER M.-J., MARMONIER P., VERVIER P. 1990. Surface water-groundwater ecotones, chapter 10: In: Naiman R.J, and H. Decamps (eds): The ecology and management of aquatic-terrestrial ecotones. Man and the Biosphere series,4. The Parthenon Publishing Group, Carnforth. 199-222

GROFFMAN P.M., AXELROD E.A., LEMUNYON J.L., SULLIVAN W.M. 1991. Denitrification in Grass and forest vegetated Filter Strips. *J. Environm. Qual.*, 20: 671-674

GUMIERO B., SALMOIRAGHI P., 1997. Relation between land use, river bank biodiversity and lotic macroinvertebrate community. In: Hycock N.E., T.P. Burt, K.W.T. Goulding, G. Pinay (eds): Buffer Zones: their processes and potential in water protection. *Guest Envirommental Harpenen*, U.K.

HELLAWELL J.M. 1988. River regulation and river conservation. *Regulated Rivers: Research and management*, 2: 425-443

HARPER D., SMITH C., BARHAM P., HOWELL R. 1995. The Ecological Basis for the Management of the Natural River Environment. In: D.M. Harper and A.J.D. Ferguson (eds): The Ecological Basis for River management. John Wiley & Sons Ltd. Cichester, New York, Brisbane, Toronto Singapore. 219-238.

HAYCOCK N.E., PINAY G., WALKER C. 1993. Nitrogen retention in river corridors. European perspectives. *Ambio*, 22 (&): 340-446

HOLLAND M.M., RISSER P.G., NAIMAN R.J. (eds). 1991. Ecotones. The role of landscape buondaries in the management and restoration of changing environments. Chapman anh Hall, N.Y., London.

KARR J.R., SCHLOSSER I.J. 1978. Water resources and the land-water interface. *Science*, 201: 229-234.

KELLER E.A., BROOKES A. 1984. Consideration of meandering in channelization projects: selected observations and judgements. In: River meandering, Proceedings of Conference Rivers '83. American Society of Civil Engineers, Vicksburg, MS. 102: 813-829.

LOWRANCE R.R., ALTIER L.E., NEWBOLD J.D., SCHNABEL R.R., GROFFMAN P.N., DENVER J.M., CORREI D.L., GILLAM J.W., ROBINSON J.L., BRINSFIELD R.B., STAVER K.W., LUCAS W., TODD A.H. 1995. Water Quality Functions of Riparian Forest Buffer System in the Chesapeake Bay Watershed. EPA 903-R-95-004 CBP/TRS 134/95.

MINSHALL G.W., CUMMINS K.W., PETERSEN R.C., CUSHING C.E., BRUNS D.A., SEDELL J.R., VANNOTE R.L. 1985. Developments in stream ecosystem theory. *Can. J. Fish. Aquat. Sci.*, 41: 1045-1055.

MINSHALL G.W., PETERSEN R.C., CUMMINS K.W., BOTT T.L., SEDELL J.R., CUSHING C.E., VANNOTE R.L. 1983. Interbiome comparison of stream ecosystem dynamics. *Ecol. Monogr.*, 53 (1): 1-25

MOSS B. (1980) – Ecology of Freshwaters – Blackwell Scient. Publ. – Oxford

MULAMOOTTIL G., WARNWR B.G., McBEAN E.A. (eds). 1996. Wetlands. Environmental Gradients, Boundaries, and Buffers. Lewis Publishers, N.Y.

NAIMAN R.J., DECAMPS H. (eds). 1990. The ecology and management of aquatic-terrestrial ecotones. Man and the Biosphere series, 4. The Parthenon Publishing Group, Carnforth.

NAIMAN R.J., DECAMPS H., PASTOR J., JOHNSTON C.A., 1988. The potential importance of boundaries of fluvial ecosystems. *J. N. Am. Benthol. Soc.* 7: 289-306

NEWBOLD C., HONNOR J., BUCKLEY K. 1990. Nature conservation and management of drainage channels. *Nature Conservancy Council, Association of Drainage Authorities*. 108 pp.

NEWBOLD J.D. 1994. Cycles and Spirals of nutrients. In: Calow P. and G.E. Petts (eds): *The rivers Handbook*, 1-2. Blackwell Scientific Publications, Oxford: , England. 370-410

NEWMAN R.M. 1991. Herbivory and detritivory of freshwater macrophytes by macroinvertebrates: a review. *J. N. Am. Benthol. Soc.*, 10 (2): 89-114.

OMERNIK J.M., ABERNATHY A.R., MALE L.M. 1981. Stream nutrient levels and proximity of agricultural and forest land to stream: some relationship. *J. Soil and water Cons.* 22- 231

OSBORNE L.L., KOVACIC D.A. 1993. Riparian vegetated buffer strips in water-quality restoration and stream management. *Freshwater Biology*, 29: 243-258.

PALMER L. 1976. River management criteria for Oregon and Washington. In "Geomorphology and Engineering" (ed. Coates D.R.), George Allen & Unwin, London: 329-346.

PETERJOHN W.T., CORREL D.L. 1984. Nutrient dynamics in an agricultural watershed: observations on the role of a riparian forest. *Ecology*, 65: 1466-1475.

PETERSEN R.C., MADSEN B.L., WILZBZBACH M.A. MAGADZA C.H., PARLBERG A., KULLBERG A., CUMMINS K.W. 1987. Stream management: emerging global similarities. *Ambio*, 16 (4): 166-179.

PINAY G., DECAMPS H., CHAUVET E., FUSTEC E. 1990. Functions of ecotones in fluvial systems. In: Naimann R J. And H. Decamps (eds). *The ecology and management of aquatic-terrestrial ecotones*. Man and the Biosphere series, 4. The Parthenon Publishing Group, Carnforth. 141-164

SANSONI G. 1992. Il bacino del Magra. Mappaggio biologico del reticolo idrografico, sintesi ecologica, problematiche ambientali, proposte di risanamento. Tesi di laurea in Scienze Naturali, Università di Pisa, Anno Accademico 1991-1992, 183 pp.

SANSONI G. 1998. In "Elementi di progettazione ambientale dei lavori fluviali", *Biologia Ambientale XII* (2), 64 pp.

STATZNER B., HIGLER B. 1980. Questions and comments on the river continuum concept. *Can. J. Fish. Aquat. Sci.*, 41: 1036-1044.

TRISKA F.J., DUFF J.H., AVANZINO R.J. 1993. Patterns of hydrological exchange and nutrient transformation in the hyporeic zone of gravel-bottom stream: examining terrestrial-aquatic linkages. *Freshwater Biology*, 29: 259-274.

VANNOTE R.L., MINSHALL G.W., CUMMINS K.W., SEDELL J.R., CUSHING C.E. 1980. The river continuum concept. *Can. J. Fish. Aquat. Sci.*, 37: 130-137

VOUGHT L.B., DAHL J., PEDERSEN C.L. LACOURSIERE J.O. 1994. Nutrient retention in riparian ecotones. *Ambio*, 23 (6): 432-438

WARD J.V. 1989. The four-dimensional nature of lotic ecosystems. *J. N. Am. Benthol. Soc.*, 8 (1): 2-8

WARD J.V., STANDFORD J.A. 1979. *The ecology of regulated rivers*. Plenum Press, New York, 398 pp.

WASSON J.G. 1992. *Les orientations fondamentales par bassin: proposition pour une gestion intégrée des écosistèmes d'eau courante*. CEMAGREF, Lyon, 32 pp.

WHITTON B.A. 1975. *River Ecology*. Blackwell Scientific Publications, Oxford

WEISNER S.E., ERICSSON P.G., GRANELL W., LEONARDSON L. 1994. Influence of macrophytes on nitrate removal in wetlands. *Ambio*, 23 (&). 363-366.

ZALEWSKI M. 1992. Ecotones at river basin scale: global land/water interactions. In: Iensen A. (ed). Ecotones at the river basin scale global land/water interactions. Proceedings of ecotones regional workshop. Barbera, South Australia – 12-15 october.

### **Vegetazione acquatica e ripariale**

AUBLE G.T., FRIEDMAN J.M., SCOTT M.L. 1994. "Relating riparian vegetation to present and future streamflows". *Ecological Applications*, 4 (3): 544-554.

BARRAT-SEGRETAIN M.H. 1996. "Strategies of reproduction, dispersion and competition in river plants: a review". *Vegetatio*, 123: 13-37.

BOTINEAU M., GHESTEM A. 1995. "Caractérisation des communautés des macrophytes aquatiques (plantes vasculaires, bryophytes, lichen) en Limousin. Leurs relations avec la qualité de l'eau". *Acta botanica Gallica*, 142 (6): 585-594.

BOURRELLY P. 1966. "Les algues d'eau douce". Éditions N. Boubée & Cie. Tome I-II-III.

BUTCHER R.W. 1933. "Studies on the ecology of rivers - I: on the distribution of macrophytic vegetation in the rivers of Britain". *Journal of Ecology*, 21: 58-91.

CAFFREY J.M. 1987. "Macrophytes as biological indicators of organic pollution in Irish rivers". In: *Biological indicators of pollution*. Dublin, 24-25 february 1986. Richardson D. H. S. (ed.). Royal Irish Academy: 77-87.

CAIRNS J.Jr. 1990. "The genesis of biomonitoring in aquatic ecosystems." *Environ. Prof.*, 12: 169-176.

CANALIS L., BARI A., MINCIARDI M.R., ROSSI G.L., BADINO G. 1997. "Confronto tra diverse metodologie di valutazione della qualità ambientale del canale Naviglia (Piemonte occidentale - Italia)". S.I.T.E. Atti, 18: 465-467.

CARBIENER R., TRÉMOLIÈRES M., MULLER S. 1995. "Végétation des eaux courantes et qualité des eaux: une thèse, des débats, des perspectives". *Acta botanica Gallica*, 142 (6): 489-531.

CARPENTER S.R., LODGE D.M. 1986. "Effects of submerged macrophytes on ecosystem processes". *Aquatic Botany*, 26: 341-370.

CHAMBERS P.A., PREPAS E.E. 1994. "Nutrient dynamics in riverbeds: the impact of sewage effluent and aquatic macrophytes". *Water Research*, 29: 453-464.

COLLINS G.B., WEBER D.I. 1978. "Phycoperiphyton (algae) as indicators of water quality". *Trans. Am. Microsc. Soc.*, 97: 36-43.

BIELLI E., BUFFAGNI A., COTTA RAMUSINO M., CROSA G., GALLI P., GUZZELLA L., GUZZI L., MINCIARDI M.R., SPAGGIARI R., ZOPPINI A. 1999. "Linee guida per la classificazione biologica delle acque correnti superficiali". Manuale UNICHIM N. 191: 59 pp.

DELL'UOMO A. 1981. "Alghe di acque correnti e loro impiego come bioindicatori". *Giornale Botanico Italiano*, 115: 327-342.

DENNISON W.C., ORTH R.J., MOORE K.A., STEVENSON J.C., CARTER V., KOLLAR S., BERGSTOM P.W., BATIUK R.A. 1993. "Assessing water quality with submersed aquatic vegetation". *BioScience*, 43: 86-94.

GRASMUCK N., HAURY J., LEGLIZE L., MULLER S. 1993. "Analyse de la végétation aquatique fixée des cours d'eau lorrains en relation avec les paramètres d'environnement". *Annls. Limnol.* 29 (3-4): 223-237.

GREGORY S.V., SWANSON F.J., McKEE W.A., CUMMINS K.W. 1991. "An Ecosystem Perspective of Riparian Zones". *BioScience*, 41 (8): 540-551.

HASLAM S.M. 1987. "River plants of Western Europe - The macrophytic vegetation of watercourses of the European Economic Community". Cambridge University Press: 504 pp.

HAURY J. 1996. "Assessing functional typology involving water quality, physical features and macrophytes in Normandy river". *Hydrobiologia*, 340: 43-49.

HAURY J., PELTRE M.C. 1993. "Intérêts et limites des "indices macrophytes" pour qualifier la mésologie et la physicochimie des cours d'eau: exemples armoricains, picards et lorrains". *Annls. Limnol.*, 29 (3-4): 239-253.

HELLAWELL J.M. 1989. "Biological indicators of freshwater pollution and environmental management". *Elsevier Applied Science*: 546 pp.

HILL B.H. 1997. "Aquatic plant communities for impact monitoring and assessment." In : *Plants for Environmental Studies*. Wang W., Gorsuch J.W., Hughes J.S. (Eds): 277-305.

HOLMES N.T.H. 1983. "Typing British rivers according to their flora. Focus on nature conservancy 4". Nature Conservancy Council. U.K. :194 pp.

HOLMES N.T.H., WHITTON B.A. 1977. "The macrophytic vegetation of the River Tees in 1975: observed and predicted changes". *Freshwater Biology*, 7: 43-60.

KELLY M.G., WHITTON B.A. 1995. Workshop: "*Plants for monitoring rivers*". Durham, 26-27 September 1994. National Rivers Authority. 34 pp.

LEWIS M.A., WANG W. 1997. "Water quality and aquatic plants". In: *Plants for Environmental Studies*. Wang W., Gorsuch J.W., Hughes J.S. (Eds.), 141-175.

MATTIROLO E. 1904. "Schiarimenti sulla Carta Geo-litologica delle Valli di Lanzo". In: *Le Valli di Lanzo*. C.A.I. Torino.

MINSHALL G.W. 1978. "Autotrophy in Stream Ecosystems". *BioScience*, 28(12): 767-771.

NAIMAN R.J., DECAMPS H. 1997. "The ecology of interfaces: Riparian Zones". *Annual Review of Ecological Systems*, 28: 621-658.

ÖNORM M. 1995. 6232 E. "Guidelines for the ecological study and assessment of rivers": 1-10.

PATRICK R. 1973. "Use of algae, especially diatoms, in the assessment of water quality". In: *Biological Methods for the Assessment of Water Quality*. ASTM STP 528. American Society for Testing and Materials, Philadelphia, PA: 76-95.

PEDROTTI F., GAFTA D. 1996. "Ecologia delle foreste ripariali e paludose dell'Italia". Università degli Studi. Camerino. 165 pp.

PIGNATTI S. 1982. "Flora d'Italia". Edagricole, 3 voll.

ROBACH F., THIÉBAULT G., TRÉMOLIÈRES M., MULLER S. 1996. "A reference system for continental running waters: plant communities as bioindicators of increasing eutrophication in alkaline and acid waters in north-east France". *Hydrobiologia*, 340: 67-76.

SMITH A.J.E. 1977. "The Moss Flora of Britain & Ireland". Cambridge University Press. 706 pp.

TREMP H., KOHLER A. 1995. "The usefulness of macrophyte monitoring-system, exemplified on eutrophication and acidification of running waters". *Acta botanica Gallica*, 142 (6): 541-550.

WIEGLEB G. 1981. "Récherches méthodologiques sur les groupements végétaux des eaux courantes". *Colloq. phytosoc. X Végétations aquatiques*: 69-83.