

Appendix B: Ecosystem Service Valuation Study References

Solwara 1 Full References

Godoy, R., R. Lubowski, and A Markandaya. 1993. A method for the economic valuation of non-timber forest products. *Economic Botany* 47(3): 220-233.

Krieger, D.J. 2001. Economic value of forest ecosystem services: A review. The Wilderness Society. Washington, D.C. <http://www.wilderness.org/Library/Documents/upload/Economic-Value-of-Forest-Ecosystem-Services-A-Review.pdf>

Prominent Hill Full References

Bennett, R., Tranter, R., Beard, N., Jones, P. 1995. The value of footpath provision in the countryside: a case-study of public access to urbanfringe woodland. *Journal of Environmental Planning and Management* 38, 409-417.

Costanza, R, d'Arge, R., deGroot, R., Farber, S., Grasso, M., Hannon, B., Limburg, K., Naeem, S., O'Neill, RV., Paruelo, J., Raskin, RG., Sutton, P., van den Belt, M. 1997. The value of the world's ecosystem services and natural capital. *Nature* 387: 253-260.

Bingham Canyon Full References

Adamowicz, W.L., Swait, J., Boxall, P., Louviere, J., and Williams, M. 1997. Perceptions versus objective measures of environmental quality in combined revealed and stated preference models of environmental valuation. *J. Environ. Econ. Manage.* 32: 65–84.

Adger, W.N., Brown, K., Cervigini, R., Moran, D. 1995. Towards estimating total economic value of forests in Mexico. Centre for Social and Economic Research on the Global Environment, University of East Anglia and University College London, Working Paper 94-21.

Alberta-Pacific Forest Industries Inc. 1997. Detailed forest management plan (April 30, 1997 Draft). Alberta-Pacific Forest Industries Inc., Edmonton.

Allen, J., Cunningham, M., Greenwood, A., Rosenthal, L. 1992. The value of California wetlands: an analysis of their economic benefits. Campaign to Save California Wetlands, Oakland, California.

Amigues, J. P., Boulatoff, C., Desaignes, B., Gauthier, C., Keith, J.E. 2002. The benefits and costs of riparian analysis habitat preservation: a willingness to accept/willingness to pay contingent valuation approach. *Ecological Economics* 43 17-31.

Barrick, Kenneth A, Beazley, Ronald I. 1990. Magnitude and Distribution of Option Value for the Washakie Wilderness, Northwest Wyoming, USA. transcribed by Allen Posewitz, reviewed by Angela Fletcher

Bennett, R., Tranter, R., Beard, N., Jones, P. 1995. The value of footpath provision

in the countryside: a case-study of public access to urbanfringe woodland.

Journal of Environmental Planning and Management 38, 409-417.

Bergstrom, J. C., Dillman, B.L., Stoll, J.R. 1985. Public environmental amenity benefits of private land: the case of prime agricultural land. Southern Journal of Agricultural Economics 7 139-149.

Berman, Matthew, Armagost, Jeffrey. 2013. Contribution of Land Conservation and Freshwater Resources to Residential Property Values in the Matanuska-Susitna Borough.

Berrens, R. P., Ganderton, P., Silva, C.L. 1996. Valuing the protection of minimum instream flows in New Mexico. Journal of Agricultural and Resource Economics 21 294-308.

Birdsey, R.A. 1996. Regional Estimates of Timber Volume and Forest Carbon for Fully Stocked Timberland, Average Management After Final Clearcut Harvest. In Forests and Global Change: Volume 2, Forest Management Opportunities for Mitigating Carbon Emissions, eds. R.N. Sampson and D. Hair, American Forests, Washington, DC.

Bishop, K. 1992. Assessing the benefits of community forests: An evaluation of the recreational use benefits of two urban fringe woodlands. Journal of Environmental Planning and Management 35, 63-76.

Bolitzer, B., Netusil, N. R. 2000. The impact of open spaces on property values in Portland, Oregon. Journal of Environmental Management. 59(3). 185-193.

Bouwes, N. W., Scheider, R. 1979. Procedures in estimating benefits of water quality change. American Journal of Agricultural Economics 61, 635-639.

Boxall, P. C. 1995. The economic value of lottery-rationed recreational hunting. Canadian Journal of Agricultural Economics-Revue Canadienne D Economie Rurale 43 119-131.

Boxall, P. C., McFarlane, B.L., Gartrell, M. 1996. An aggregate travel cost approach to valuing forest recreation at managed sites. Forestry Chronicle 72, 615-621.

“Brander, Luke M, Koetse, Mark J. 2007. The Value of Urban Open Space: Meta-Analyses of Contingent Valuation and Hedonic Pricing Results. IVM Working Paper: I. 07/03 Date: December 2007”

Brander, Luke M., Florax, Raymond J.G.M., Vermaat, Jan E.. 2006. The Empirics of Wetland Valuation: A Comprehensive Summary and a Meta-Analysis of the Literature. Allen did the first pass. Then Zac wanted this to be sent to Cameron to fill in additional non-required fields.

Breffle, W., Morey, E. Lodder, T. 1997. Using Contingent Valuation to Estimate a Neighborhood's Willingness to Pay to Preserve Undeveloped Urban Land. University of Colorado. Department of Economics. 1-29. <http://www.colorado.edu/economics/morey/4535/cunning.pdf>

Brookshire, D., Thayer, M.A., Schulze, W.D., D'Arge, R.C. 1982. Valuing public goods: a comparison of survey and hedonic approach. American Economic Review 72 (1): 165 -177.

Butler, Larry D., Workman, John P. 1993. Fee hunting in the Texas Trans Pecos area: A descriptive and economic analysis. The Journal of Range Management 46(1). 38-42.

Canadian Urban Institute. 2006. Nature Counts: Valuing Southern Ontario's Natural Heritage.

Toronto, Canada. http://www.canurb.com/media/pdf/Nature_Counts_rschpaper_FINAL.

Cleveland, C.J. Betke, M. Federico, P., Frank, J.D., Hallam, T.G., Horn, J., Lopez, Juan D.J., McCracken, G.F., Medellin, R.A., Moreno-Valdez, A., Sansone, C.G., Westbrook, J.K., Kunz, T.H. 2006. Economic value of the pest control service provided by Brazilian free-tailed bats in south-central Texas. *Frontiers in Ecology and the Environment*. 4(5). 238-243.

Contingent values for New Mexico instream flows: With tests of scope, group-size reminder and temporal reliability

Cooper, J., Loomis, J. B. 1991. Economic value of wildlife resources in the San Joaquin Valley: Hunting and viewing values. In *Economic and Management of Water and Drainage in Agriculture* eds. Diner and Zilberman., Vol. 23. Kluwer Academic Publishers.

Cordell, H. K., Bergstrom, J.C. 1993. Comparison of recreation use values among alternative reservoir water level management scenarios. *Water Resources Research* 29 247-258.

Costanza, R, d'Arge, R., deGroot, R., Farber, S., Grasso, M., Hannon, B., Limburg, K., Naeem, S., O'Neill, R.V., Paruelo, J., Raskin, R.G., Sutton, P., van den Belt, M. 1997. The value of the world's ecosystem services and natural capital. *Nature* 387: 253-260.

de Groot, R.S. 1992. *Functions of nature: Evaluation of nature in environmental planning, management, and decision making*. Wolters-Noordhoff, Groningen. 315pp.

Delfino, Kim, Skuja, Mike, Albers, D'Anne. 2007. *Economic Oasis: Revealing the True Value of the Mojave Desert*. This study reviewed the ways the Mojave desert contributes to the economy. Only usable values were transcribed.

Economic valuation of regulating services provided by wetlands in agricultural landscapes: A meta-analysis

Environmental amenities and agricultural land values: a hedonic model using geographic information systems data

Estimating the benefits of phosphorus pollution reductions: an application in the Minnesota River

Everard, M. 2009. *Ecosystem Services Case Studies*. Environment Agency. UK.

Farber, S., Costanza, R. 1987. The economic value of wetlands systems. *Journal of Environmental Management* 24 : 41-51.

Faux, John, Perry, Gregory M. 1999. *Estimating Irrigation Water Value Using Hedonic Price Analysis: A Case Study in Malheur County Oregon*.

Gascoigne, W.R., Hoag, D., Koontz, L., Tangen, B.A., Shaffer, T.L., Gleason, R.A. 2011. Valuing ecosystem and economic services across land-use scenarios in the Prairie Pothole Region of the Dakotas, USA. *Ecological Economics*. 70(10).

Gibbons, D. C. 1986. *The economic value of water*. Resources for the Future, Washington D.C.

Gosselink, J. G., Odum, E.P., Pope, R.M. 1974. *The value of the tidal marsh*. Center

for Wetland Resources, Louisiana State University, Baton Rouge, Louisiana.

Gren, I.M., Soderqvist, T. 1994. Economic valuation of wetlands: a survey. Beijer International Institute of Ecological Economics. Beijer Discussion Paper series. 54. Stockholm, Sweden.

Grossmann, Malte. 2012. Economic value of the nutrient retention function of restored floodplain wetlands in the Elbe River basin. 1st review by Allen Posewitz, 2nd review by Angela Fletcher

Gupta, T. R., Foster, J.H. 1975. Economic criteria for freshwater wetland policy in Massachusetts. American Journal of Agricultural Economics 57: 40-45. Gupta, T. R., Foster, J.H. 1975. Economic criteria for freshwater wetland policy in Massachusetts. American Journal of Agricultural Economics 57: 40-45.

Haener, M.K. 1998. Regional forest resource accounting: a northern Alberta case study incorporating fire and price risk. M.Sc. thesis, Department of Rural Economy, University of Alberta, Edmonton.

Hanley, N. D. 1989. Contingent valuation as a method for valuing changes in environmental services flows. Paper presented at the University of Uppsala, Uppsala, Sweden,

Jenkins, W.A., Murray, B.C., Kramer, R.A., Faulkner, S.P. 2010. Valuing ecosystem services from wetlands restoration in the Mississippi Alluvial Valley. Ecological Economics. 69. 1051-1061.

Jones, O. R., Eck, H.V., Smith, S.J., Coleman, G.A., Hauser, V.L. 1985. Runoff, soil, and nutrient losses from rangeland and dry-farmed cropland in the southern high plains. Journal of Soil and Water Conservation 1:161-164.

Knoche, S. and Lupi, F. 2007. Valuing deer hunting ecosystem services from farm landscapes. Ecological Economics 64, 313-320.

Knowler, D.J., MacGregor, B.W., Bradford, M.J., Peterman, R.M. 2003. Valuing freshwater salmon habitat on the west coast of Canada. Journal of Environmental Management 69 261-273.

Kozak, J., Lant, C., Shaikh, S., Wang, G. 2011. The geography of ecosystem service value: The case of the Des Plaines and Cache River wetlands, Illinois. Applied Geography 31, 303-311.

Kreutzwiser, R. 1981. The economic significance of the long point marsh, Lake Erie, as a recreational resource. Journal of Great Lakes Resources 7 105-110.

Krieger, D.J. 2001. Economic value of forest ecosystem services: A review. The Wilderness Society, Washington, D.C. <http://www.wilderness.org/Library/Documents/upload/Economic-Value-of-Forest-Ecosystem-Services-A-Review.pdf>

Kulshreshtha, S. N., Gillies, J.A. 1993. Economic-evaluation of aesthetic amenities - a case-study of river view. Water Resources Bulletin 29 257-266.

Lampietti, J.A., Dixon, J.A. 1995. To see the forest for the trees: a guide to non-timber forest benefits. The World Bank, Environmental Economics Series 013, Washington, D.C.

Lant, C. L., Roberts, R.S. 1990. Greenbelts in the corn-belt - riparian wetlands, intrinsic values, and market failure. Environment and Planning 22 1375-1388.

Lant, C. L., Tobin, G. 1989. The economic value of riparian corridors in cornbelt

floodplains: a research framework. *Professional Geographer* 41, 337-349.

Leschine, T. M., Wellman, K.F., Green, T.H. 1997. Wetlands' Role in Flood Protection. October 1997. Report prepared for: Washington State Department of Ecology Publication No. 97-100. <http://www.ecy.wa.gov/pubs/97100.pdf>

Loomis, J. 1991. Willingness to Pay to Protect Wetlands and Reduce Wildlife Contamination from Agricultural Drainage," In: Dinar, A., Zilberman, D. *The Economics and Management of Water and Drainage in Agriculture*. Kluwer Academic Publishers. 1991.

Loomis, John, Ekstrand, Earl. 1998. Alternative approaches for incorporating respondent uncertainty when estimating willingness to pay: the case of the Mexican spotted owl.

Mahan, B.L., Polasky, S., Adams, R.M. 2000. Valuing urban wetlands: a property price approach. *Land Economics* 76 100-113.

Mates. W., Reyes, J. 2004. The economic value of New Jersey state parks and forests. New Jersey Department of Environmental Protection, New Jersey.

Maxwell, S. 1994. Valuation of rural environmental improvements using contingent valuation methodology: a case study of the Martson Vale Community Forest Project. *Journal of Environmental Management* 41, 385-399.

Mazzotta, M. 1996. Measuring Public Values and Priorities for Natural Resources: An Application to the Peconic Estuary System. University of Rhode Island.

McPherson, E. G., Scott, K.I., Simpson, J.R. 1998. Estimating cost effectiveness of residential yard trees for improving air quality in Sacramento, California, using existing models. *Atmospheric Environment* 32, 75-84.

McPherson, G., 1992. Accounting for benefits and costs of urban greenspace. *Landscape and Urban Planning*. 22.

McPherson, G., Simpson, J.R. 2002. A Comparison of Municipal Forest Benefits and Costs in Modesto and Santa Monica, California, USA. *Urban Forestry*. 1(2). 61-74.

McPherson, Gregory E. 1992. Accounting for benefits and costs of urban greenspace. *Landscape and Urban Planning* 22: 41-51

Meyer, P. Anderson, S. 1987. Economic Non-Market Evaluation of Losses to Fish, Wildlife, and Other Environmental Resources. The Bay Institute of San Francisco.

Meyerhoff, Jurgen, Dehnhardt, Alexandra. 2007. The European Water Framework Directive and Economic Valuation of Wetlands: the Restoration of Floodplains along the River Elbe. 1st review by Allen Posewitz, 2nd review by Angela Fletcher

Moore, Walter B. 1987. Off-Site Costs of Soil Erosion: A Case Study in the Willamette Valley.

Nowak, D.J., Crane, D.E., Dwyer, J.F. 2002. Compensatory Value of Urban Trees in the United States. *Journal of Arboriculture*. 28(4). 194-199.

Olewiler, N. 2004. The value of natural capital in settled areas of Canada. Ducks Unlimited Canada and the Nature Conservancy of Canada. <http://www.ducks.ca/aboutduc/news/archives/pdf/ncapital.pdf>.

Opaluch, J., Grigalunas, T., Mazzotta, M., Johnston, R., Diamantedes, J. 1999. Recreational and Resource Economic Values for the Peconic Estuary, prepared for the Peconic Estuary Program. Peace Dale, RI: Economic Analysis Inc.

Pearce, D., Moran, D. 1994. The economic value of biodiversity. Earthscan Publication, London. &

Pimentel, D. 1998. Benefits of biological diversity in the state of Maryland. Cornell University, College of Agricultural and Life Sciences. Ithica, New York.

Pimentel, D., Harvey, C., Resosudarmo, P., Sinclair, K., Kurz, D., McNair, M., Crist, S., Sphpritz, P., Fitton, L., Saffouri, R., Blair, R. 1995. Environmental and economic costs of soil erosion and conservation benefits. *Science* 267:1117-1123.

Pimentel, D., Wilson, C., McCullum, C., Huang, R., Owen, P., Flack, J., Trand, Q., Saltman, T., Cliff. B. 1997. Economic and Environmental Benefits of Biodiversity. *BioScience* 47, 747-757.

Piper, S. 1997. Rigonal impacts and benefits of water-based activities: an application in the Black Hills region of South Dakota and Wyoming. *Impact Assessment* 15, 335-359.

Prince, R., Ahmed, E. 1989. Estimating individual recreation benefits under congestion and uncertainty. *Journal of Leisure Research* 21, 61-76.

Qiu, Z., Prato, T., Boehm, G. 2006. Economic Valuation of Riparian Buffer and Open Space in a Suburban Watershed. *Journal of the American Resources Association*. 42. 6. 1583–1596.

Qiu, Zeyuan, Prato, Tony. 1998. Economic Evaluation of Riparian Buffers in an Agricultural Watershed. 1st review by Joanna Kraft, 2nd review by Angela Fletcher

Ready, R.C., Berger, M.C., Blomquist, G.C. 1997. Measuring Amenity Benefits from Farmland: Hedonic Pricing vs. Contingent Valuation. *Growth and Change*. 28(4). 438-458.

Recreation Benefits of increased Flows in California's San Joaquin and Stanislaus Rivers

Rein, F. A. 1999. An economic analysis of vegetative buffer strip implementation - Case study: Elkhorn Slough, Monterey Bay, California. *Coastal Management* 27, 377-390.

Rich, P. R., Moffitt, L.J. 1982. Benefits of pollution-control on Massachusetts Housatonic River - a hedonic pricing approach. *Water Resources Bulletin* 18 1033-1037.

Richer, J. 1995. Willingness to Pay for Desert Protection. *Contemporary Economic Policy*. 13(4). 93-104.

Ricketts, T.H., Daily, G.C., Ehrlich, P.R., Michener, C.D. 2004. Economic value of tropical forest to coffee production. *Proceedings of the National Academy of Sciences* 101 12579-12582

Sanders, L. D., Walsh, R.G., Loomis, J.B. 1990. Toward empirical estimation of the total value of protecting rivers. *Water Resources Research* 26 1345-1357.

Sandhu, H.S., Wratten, S.D., Cullen, R., Case, B. 2008. The future of farming:

The value of ecosystem services in conventional and organic arable land. An experimental approach. *Ecological Economics*. 64(4). 835-848

Shafer, E. L., Carline, R., Guldin, R.W., Cordell, H.K. 1993. Economic amenity values of wildlife - 6 case-studies in Pennsylvania. *Environmental Management* 17, 669-682.

Standiford, R., Huntsinger, L. 2012. Valuing forestland environmental services: a case study for California's Oak Woodlands.

Stoll, J. Bergstrom, J., Titre, J. 1989. Regional Valuation Models for Wetland Recreational Benefits, In: Boyle and Heekin (eds.) "Benefits and Costs in Natural Resource Planning."

Streiner, C., Loomis, J. 1995. Estimating the Benefits of Urban Stream Restoration Using the Hedonic Price Methods *Rivers* 5(4) 267-78

The importance of sample discrimination in using the travel cost method to estimate the benefits of improved water quality

Thibodeau, F. R., Ostro, B.D. 1981. An economic analysis of wetland protection. *J. Env'tl. Mgmt.* 19 : 72-79

Thompson, R., Hanna, R., Noel., Piirto, D. 1999. Valuation of the tree aesthetics on small urban-interface properties. *Journal of Arboriculture*. 25(5).

Trust for Public Land. 2010. The Economic Benefits and Fiscal Impact of Parks and Open Space in Nassau and Suffolk Counties, New York. Available at: <http://cloud.tpl.org/pubs/ccpe--nassau-county-park-benefits.pdf>

Trust for Public Land. 2011. The Economic Benefits of Seattle's Park and Recreation System. Available at: <http://cloud.tpl.org/pubs/ccpe-seattle-park-benefits-report.pdf>

Tyrvaainen, L. 2001. Economic valuation of urban forest benefits in Finland. *Journal of Environmental Management* 62, 75-92.

U.S. Army Corps of Engineers. Charles River Massachusetts, Main Report and Attachments. New England Division. Waltham, MA 1971

U.S. Army Corps of Engineers. Charles River Massachusetts. New England Division, Waltham, MA 1976

US Department of Commerce. 1995. Census of Agriculture 1992. Washington DC, Bureau of Census.

van Kooten, G.C., Schmitz, A. 1992. Preserving Waterfowl Habitat on the Canadian Prairies: Economic Incentives Versus Moral Suasion. *American Journal of Agricultural Economics* 74, 79-89.

van Vuuren, W., Roy, P. 1993. Private and social returns from wetland preservation versus those from wetland conversion to agriculture. *Ecological Economics*, 8 3; 289-305.

Walsh, R. G., Greenley, D.A., Young, R.A. 1978. Option values, preservation values, and recreational benefits of improved water quality: a case study of the SouthPlatte River Basin, Colorado. EPA., report no. 600/5-78-001. USA.

Ward, F.A., Roach, B.A., Henderson, J.E. 1996. The economic value of water in recreation:

Evidence from the California drought. *Water Resources Research* 32 1075-1081.

Whitehead, J. C. 1990. Measuring willingness-to-pay for wetlands preservation with the contingent valuation method. *Wetlands* 10 187-201.

Whitehead, J. C., Groothuis, P. A., Southwick, R., Foster-Turley, P. 2009. Measuring the economic benefits of Saginaw Bay coastal marsh with revealed and stated preference methods. *Journal of Great Lakes Research*, 35 3; 430–437.

“Whitehead, John C. 1990. Measuring willingness-to-pay for wetlands preservation with the contingent valuation method. *Wetlands* 10 187-201

First pass transcription by afletcher - in need of 2nd review (2/21/14)”

Willis, K G. 1991. The recreational value of the forestry commission estate in Great Britain - a Clawson-Knetsch travel cost analysis. *Scottish Journal of Political Economy* 38, 58-75

Wilson, S.J. 2008. Ontario’s wealth, Canada’s future: Appreciating the value of the Greenbelt’s eco-services. David Suzuki Foundation, Vancouver, Canada. [Http://www.davidsuzuki.org/Publications/Ontarios_Wealth_Canadas_Future.asp](http://www.davidsuzuki.org/Publications/Ontarios_Wealth_Canadas_Future.asp).

Winfrey, R., Gross, B., Kremen, C. 2011. Valuing pollination services to agriculture. *Ecological Economics* 71, 80-88.

Woodward, R., Wui, Y. 2001. The economic value of wetland services: a meta-analysis. *Ecological Economics* 37 257-270.

Wu, J., Skelton-Groth, K. 2002. Targeting conservation efforts in the presence of threshold effects and ecosystem linkages. *Ecological Economics*. 42(2). 313-331.

Young, C.E., Shortle, J.S. 1989. Benefits and costs of agricultural nonpoint-source pollution controls: the case of St. Albans Bay. *Journal of Soil and Water Conservation* 44, 64-67.

Zavaleta, E. 2000. The Economic Value of Controlling an Invasive Shrub. *A Journal of the Human Environment*. 29(8). 462-467. <http://www.bioone.org/doi/full/10.1579/0044-7447-29.8.464>

Zhongwei, L. 2006. Water Quality Simulation and Economic Valuation of Riparian Land-Use Changes. University of Cincinnati

Zhou, X, Al-Kaisi, M, Helmers, J M. 2009. Cost effectiveness of conservation practices in controlling water erosion in Iowa.

Intag Full References

- Adger, W.N, Brown, K., Cervigni R., Moran D., 1995. Total economics value of forests in Mexico. *Ambio* 24(5): 286-296.
- Amigues, J. P., C. Boulatoff, B. Desaignes, C. Gauthier, and J. E. Keith. 2002. The benefits and costs of riparian analysis habitat preservation: a willingness to accept/willingness to pay contingent valuation approach. *Ecological Economics* 43: 17-31.
- Asquith, N.M., Vargas, M.T., Wunder, S., 2008. Selling two environmental services: In-kind payments for bird habitat and watershed protection in Los Negros, Bolivia. *Ecological Economics* 65, 675-684.
- Barrow, C.J. 1991. *Land degradation*. Cambridge University Press, Cambridge.
- Bergstrom, J., B.L. Dillman, and J. R. Stoll. 1985. Public environmental amenity benefits of private land: the case of prime agricultural land. *South Journal of Agricultural Economics* 7: 139-149.
- Bouwes, N. W. and R. Scheider. 1979. Procedures in estimating benefits of water quality change. *American Journal of Agricultural Economics* 61(3): 635-639.
- Burt, O.R. and D. Brewer. 1971. Estimation of net social benefits from outdoor recreation. *Econometrica* 39: 813-827.
- Canadian Urban Institute. 2006. *Nature Counts: Valuing Southern Ontario's Natural Heritage*. Toronto, Canada http://www.canurb.com/media/pdf/Nature_Counts_rschapter_FINAL.
- Chomitz, K.M., Kumari, K., 1996. The Domestic Benefits of Tropical Forests: A Critical Review Emphasizing Hydrological Functions. The World Bank, PRDEI 1601.
- Chopra, K. 1993. The value of non-timber forest products: An estimation for tropical deciduous forests in India. *Economic Botany* 47(3): 251-257.
- Cordell, H. K. and J. C. Bergstrom. 1993. Comparison of recreation use values among alternative reservoir water level management scenarios. *Water Resources Research* 29: 247-258.
- Costanza, R., R. d'Arge, R. deGroot, S. Farber, M. Grasso, B. Hannon, K. Limburg, S. Naeem, R. V. Oneill, J. Paruelo, R. G. Raskin, P. Sutton, and M. vandenBelt. 1997. The value of the world's ecosystem services and natural capital. *Nature* 387: 253-260.
- Costanza, R., Wilson M, Troy A, Voinov A, Liu S, J. D'Agostino. 2006. *The Value of New Jersey's Ecosystem Services and Natural Capital*.
- Croke, K., R. Fabian, and G. Brenniman. 1986. Estimating the value of improved water-quality in an urban river system. *Journal of Environmental Systems* 16: 13-24.
- Fankhauser, S., and D.W. Pearce. 1994. The social costs of greenhouse-gas emissions - an expected value approach. *Energy Journal* 15:157-184.
- Garber, J.H., J.L. Collins, and M.W. Davis. 1992. Impacts of estuarine benthic algal production on dissolved nutrients and water quality in Yaquina River Estuary, Oregon. *Water*

- Resources Research Institute, Report WRRI-112, Oregon State University, Corval
- Gibbons, D.C. 1986. The economic value of water. Resources for the Future, Washington D.C.
- Godoy, R., R. Lubowski, and A Markandaya. 1993. A method for the economic valuation of non-timber forest products. *Economic Botany* 47(3): 220-233.
- Gössling, S., 1999. Ecotourism: a means to safeguard biodiversity and ecosystem functions? *Ecological Economics* 29, 303-320.
- Gram, S., 2001. Economic valuation of special forest products: an assessment of methodological shortcomings
- Grieg-Gran, M., Porras, I., Wunder, S., 2005. How Can Market Mechanisms for Forest Environment Services Help the Poor? Preliminary Lessons from Latin America. *World Development*. Vol. 33. No. 9. Pgs 1511-1527.
- Grimes, A., Loomis, S., Jahnige, P., Burnham, M., Onthank, K., Alarcón, R., Palacios, W.C., Cerón, C.M., Neill, D., Balick, M., Bennett, B., Mendelsohn, R., 1994. Valuing the Rain Forest: The Economic Value of Nontimber Forest Products in Ecuador. *Ambio* 2
- Haener, M.K., and Adamowicz, W.L. 2000. Regional forest resource accounting: A northern Alberta case study. *Canadian Journal of Forest Research* 30(2): 264-273.
- Henry, R., R. Ley, and P. Welle. 1988. The economic value of water resources: the Lake Bemidji survey. *Journal of the Minnesota Academy of Science* 53: 37-44.
- Howe, C.W., and K.W. Easter. 1971. *Interbasin transfer of water: Economic issues and impacts*. Baltimore: The Johns Hopkins Press.
- Jones, O.R., H.V. Eck, S.J. Smith, G.A. Coleman, and V.L. Hauser. 1985. Runoff, soil, and nutrient losses from rangeland and dry-farmed cropland in the southern high plains. *Journal of Soil and Water Conservation* 1: 161-164.
- Kealy, M. J. and R. C. Bishop. 1986. Theoretical and empirical specifications issues in travel cost demand studies. *American Journal of Agricultural Economics* 68: 660-667.
- Kenyon, W. and C. Nevin. 2001. The use of economic and participatory approaches to assess forest development: a case study in the Ettrick Valley. *Forest Policy and Economics* 3: 69-80.
- Kreutzwiser, R. 1981. The economic significance of the long point marsh, Lake Erie, as a recreational resource. *Journal of Great Lakes Resources* 7:105-110.
- Krieger, D.J. 2001. Economic value of forest ecosystem services: A review. The Wilderness Society. Washington, D.C. <http://www.wilderness.org/Library/Documents/upload/Economic-Value-of-Forest-Ecosystem-Services-A-Review.pdf>
- Kumari, K. 1995. An environmental and economic assessment of forest management options : a

- case study in Malaysia. The World Bank. Environmental Economics Series 013, Washington, D.C.
- Kumari, K. 1995. An environmental and economic assessment of forest management options: a case study in Malaysia. The World Bank. Environmental Economics Series 013, Washington, D.C.
- Loomis, J. B. (1996), Measuring the Economic Benefits of Removing Dams and Restoring the Elwha River: Results of a Contingent Valuation Survey, *Water Resour. Res.*, 32(2), 441–447
- Loomis, J. B. 1988. The bioeconomic effects of timber harvesting on recreational and commercial salmon and steelhead fishing: A case study of the Siuslaw National Forest. *Marine Pollution Bulletin* 5: 43-60.
- Loomis, J.B. 2002. Quantifying Recreation Use Values from Removing Dams and Restoring Free-Flowing Rivers: A Contingent Behavior Travel Cost Demand Model for the Lower Snake River. *Water Resources Research* 38 (6)
- Magrath, W.B., Arens, P., 1989. The Costs of Soil Erosion on Java: A Natural Resource Accounting Approach. The World Bank, ENV 0018.
- Martinet, A., 2006. Diagnostico Agro-Socio-Economico de la microcuenca del rio Cristopamba, Imbabura, Ecuador. ENSAM, Montpellier (FRA).
- Mates. W., Reyes, J. 2004. The economic value of New Jersey state parks and forests. New Jersey Department of Environmental Protection.
- Olewiler, N. 2004. The value of natural capital in settled areas of Canada. Ducks Unlimited Canada and the Nature Conservancy of Canada. <http://www.ducks.ca/aboutduc/news/archives/pdf/ncapital.pdf>
- Pearce, D., Moran, D., 1994. The Economic Value of Biodiversity. IUCN, Earthscan Publications.
- Pimentel, D. 1998. Benefits of biological diversity in the state of Maryland. Ithica, NY: Cornell University, College of Agricultural and Life Sciences.
- Pimentel, D., C. Harvey, P. Resosudarmo, K. Sinclair, D. Kurz, M. McNair, S. Crist, P. Sphpritz, L. Fitton, R. Saffouri, R. Blair. 1995. Environmental and Economic Costs of Soil Erosion and Conservation Benefits. *Science* 267: 1117-1123.
- Pimentel, D., C. Wilson, C. McCullum, R. Huang, P. Owen, J. Flack, Q. Trand, T. Saltman, and B. Cliff. 1997. Environmental and Economic Benefits of Biodiversity.
- Piper, S. 1997. Rigonal impacts and benefits of water-based activities: an application in the Black Hills region of South Dakota and Wyoming. *Impact Assessment* 15: 335-359.
- Postel, S., and S. Carpenter. 1997. Freshwater ecosystem services. In *Ecosystem services: their nature and value*, edited by G. Daily. Washington, D.C.: Island Press.
- Prince, R. and E. Ahmed. 1989. Estimating individual recreation benefits under congestion and uncertainty." *Journal of Leisure Research* 21: 61-76.
- Ribaudo, M. and D.J. Epp. 1984. The importance of sample discrimination in using the travel cost

- method to estimate the benefits of improved water quality. *Land Economics* 60: 397-403.
- Ricketts, T.H., Daily, G.C., Ehrlich, P.R., and Michener, C.D. 2004. Economic value of tropical forest to coffee production. *Proceedings of the National Academy of Sciences* 101(34): 12579-12582
- Robinson, W.S, R. Nowogrodzki, and R.A. Morse. 1989. The value of honey bees as pollinators of US crops. *American Bee Journal* 129(7): 477-487.
- Sala, O.E. and f. M. Paruelo. 1997. Ecosystem services in grasslands. In *Nature's services: Societal dependence on natural ecosystems*, edited by G. C. Daily, 237-252. Washington, D.C.: Island Press.
- Sandhu, H.S., Wratten, S.D., Cullen, R., and Case, B. 2008. The future of farming: The value of ecosystem services in conventional and organic arable land. An experimental approach. *Ecological Economics* 64: 835-848.
- Shafer, E. L., R. Carline, R. W. Guldin, and H. K. Cordell. 1993. Economic amenity values of wildlife - 6 case-studies in Pennsylvania. *Environmental Management* 17: 669-682.
- Shone, B.M, and Caviglia-Harris J.L. 2006. Quantifying and comparing the value of non-timber forest products in the Amazon. *Ecological Economics* 58(2): 249-267.
- Smith W.N. et al. 2001. Estimated changes in soil carbon associated with agricultural practices in Canada. *Canadian Journal of Soil Science* 81: 221-227.
- Southwick, E. E. and L. Southwick. 1992. Estimating the economic value of honey-bees (hymenoptera, Apidae) as agricultural pollinators in the United States. *Journal of Economic Entomology* 85: 621-633.
- Thibodeau, F. R., and Ostro, B.D. 1981. An economic analysis of wetland protection. *Journal of Environmental Management* 12: 19-30.
- Tianhong, L., Wenkai, L., Zhenghan, Q., 2010. Variations in ecosystem service value in response to land use changes in Shenzhen. *Ecological Economics* 69, 1427-1435.
- Tyrvaainen, L. 2001. Economic valuation of urban forest benefits in Finland. *Journal of Environmental Management* 62: 75-92.
- Valverde, M., Gaybor, A., 2008. Diagnostico Agrario en la cuenca del rio Cachaco Lita, Imbabura. Universidad Central del Ecuador.
- Ward, F. A., B. A. Roach, and J. E. Henderson. 1996. The economic value of water in recreation: Evidence from the California drought. *Water Resources Research* 32: 1075-1081.
- Wilson, S.J. 2008. Ontario's wealth, Canada's future: Appreciating the value of the Greenbelt's eco-services. Vancouver, BC: David Suzuki Foundation, www.davidsuzuki.org/Publications/Ontarios_Wealth_Canadas_Future.asp.
- Wunder, S., Albán, M. 2008. Decentralized payments for environmental services: The cases of Pimampiro and PROFAFOR in Ecuador. *Ecological Economics* 65, 685-698.
- Young, C.E. and J.S. Shortle. 1989. Benefits and costs of agricultural nonpoint-source pollution controls: the case of St. Albans Bay. *Journal of Soil and Water Conservation* 44(1): 64-67.