

Curriculum Vitae
STEPHEN POLASKY

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EDUCATION

Ph.D. Economics, University of Michigan, 1986
B.A. Williams College, cum laude, 1979
London School of Economics, 1977 - 1978

EXPERIENCE AND AFFILIATIONS

Fesler-Lampert Professor of Ecological/Environmental Economics, University of Minnesota, 1999 – present
Research Associate, Environmental & Energy Economics Program, National Bureau of Economic Research, 2008 – present
Resident Fellow of the Institute on the Environment, University of Minnesota, 2009 – present
Research Fellow, Beijer Institute of Ecological Economics, 2007- present
University Fellow, Resources for the Future, 2001 – present
Visiting Scholar Woods Institute of the Environment, Stanford University, 2008 - present
Visiting Research Fellow Beijer Institute of Ecological Economics 2008- 2009
Founding Fellow of the Institute on the Environment, University of Minnesota, 2007-08
Senior Staff Economist, President's Council of Economic Advisers, 1998 - 1999
Associate Professor, Agricultural and Resource Economics Department, Oregon State University, 1993 - 1999
Visiting Senior Research Fellow, Marine Policy Center, Woods Hole Oceanographic Institution, 1997
Assistant Professor, Economics Department, Boston College, 1986 - 1993
Visiting Research Fellow, Marine Policy Center, Woods Hole Oceanographic Institute, 1990 - 1993
Visiting Scholar, Economics Department, M.I.T., 1990
Research Assistant, Resources for the Future, 1980 -1981
Research Assistant, National Economic Research Associates, 1979 - 1980

FELLOWSHIPS AND AWARDS

Fellow of the American Academy of Arts and Sciences, Elected 2009
Fellow of the American Association for the Advancement of Science, Elected 2007
Marine Policy Fellowship, Woods Hole Oceanographic Institute, 1990 - 1993, 1997
Faculty Fellowship, Boston College, 1989 - 1990
Graves Prize in Political Economy, Williams College, 1979

REFEREED JOURNAL ARTICLES

Knapp, E.J., D. Rentsch, J. Schmitt, C. Lewis and S. Polasky. Forthcoming. A tale of three villages: choosing an effective method for assessing poaching levels in Western Serengeti, Tanzania. *Oryx*.

Holdo, R., K. Galvin, E. Knapp, R. Holt, S. Polasky and R. Hilborn. Forthcoming. Responses to alternative rainfall regimes and antipoachign in a migratory system. *Ecological Applications*.

Polasky, S. and K. Segerson. Forthcoming. Integrating ecology and economics in the study of ecosystem services: some lessons learned. *Annual Review of Resource Economics*.

Granek, E.F., S. Polasky, C.V. Kappel, D.J. Reed, D.M. Stoms, E.W. Koch, C.J. Kennedy, L.A. Cramer, S.D. Hacker, E.B. Barbier, S. Aswani, M. Ruckelshaus, G.M.E. Perillo, B.R. Silliman, N. Muthiga, D. Bael, E. Wolanski. Forthcoming. Ecosystem services as a common language for coastal ecosystem-based management. *Conservation Biology*.

Walker, B.W., S. Barrett, S. Polasky, V. Galaz, C. Folke, G. Engström, F. Ackerman, K. Arrow, S. Carpenter, K. Chopra, G. Daily, P. Ehrlich, T. Hughes, N. Kautsky, S. Levin, K-G. Mäler, J. Shogren, J. Vincent, T. Xepapadeas and A. de Zeeuw. 2009. Looming global-scale failures and missing institutions. *Science* 325(11): 1345-1346.

Richardson, D.M, J.J. Hellmann, J. McLachlan, D.F. Sax, M.W. Schwartz, J. Brennan, P. Gonzalez, T. Root, O. Sala, S.H. Schneider, D. Ashe, A. Camacho, J. Rappaport Clark, R. Early, J. Etterson, D. Fielder, J. Gill, B.A. Minter, S. Polasky, H. Safford, A. Thompson and M. Vellend. 2009. Multidimensional evaluation of managed relocation. *Proceedings of the National Academy of Sciences of the United States of America* 106(24): 9721-9724.

Sander, H. and S. Polasky. 2009. The value of views and open space: estimates from a hedonic pricing model for Ramsey County, Minnesota, USA. *Land Use Policy* 26(3): 837-845.

Tallis, H. and S. Polasky. 2009. Mapping and valuing ecosystem services as an approach for conservation and natural resource management. *The Year in Ecology and Conservation Biology, 2009: Annals of the New York Academy of Sciences* 1162: 265–283.

Polasky, S. 2009. Conservation economics: economic analysis of biodiversity conservation and ecosystem services. *Environmental Economics and Policy Studies* 10: 1-20.

Hill, J., S. Polasky, E. Nelson, D. Tilman, H. Huo, L. Ludwig, J. Neumann, H. Zheng, D. Bonta. 2009. Climate change and health costs of air emissions from biofuels and gasoline. *Proceedings of the National Academy of Sciences of the United States of America* 106(6): 2077-2082.

Nelson, E., G. Mendoza, J. Regetz, S. Polasky, H. Tallis, D.R. Cameron, K.M.A. Chan, G. Daily, J. Goldstein, P. Kareiva, E. Lonsdorf, R. Naidoo, T.H. Ricketts and M. R. Shaw. 2009. Modeling multiple ecosystem services, biodiversity conservation, commodity production, and tradeoffs at landscape scales. *Frontiers in Ecology and the Environment* 7(1): 4–11.

Daily, G., S. Polasky, J. Goldstein, P.M. Kareiva, H.A. Mooney, L. Pejchar, T.H. Ricketts, J. Salzman and R. Shallenberger. 2009. Ecosystem services in decision-making: time to deliver. *Frontiers in Ecology and the Environment* 7(1): 21-28.

Koch, E.W., E.B. Barbier, B.R. Silliman, D.J. Reed, G.M.E. Perillo, S.D. Hacker, E.F. Granek, J.H. Primavera, N. Muthiga, S. Polasky, B.S. Halpern, C.J. Kennedy, C.V. Kappel and E. Wolanski. 2009. Non-linearity in ecosystem services: temporal and spatial variability in coastal protection. *Frontiers in Ecology and the Environment* 7(1): 29-37.

Costello, C. and S. Polasky. 2008. Optimal harvesting of stochastic spatial resources. *Journal of Environmental Economics and Management* 56(1): 1-18.

Fargione, J., J. Hill, D. Tilman, S. Polasky and P. Hawthorne. 2008. Biofuels: effects on land and fire. Response. *Science* 321: 199-200.

Nelson, E., S. Polasky, D.J. Lewis, A.J. Plantinga, E. Lonsdorf, D. White, D. Bael and J.J. Lawler. 2008. Efficiency of incentives to jointly increase carbon sequestration and species conservation on a landscape. *Proceedings of the National Academy of Sciences of the United States of America* 105(28): 9471-9476.

Polasky, S. 2008. What's nature done for you lately: measuring the value of ecosystem services. *Choices* 23(2): 42-46.

Polasky, S., E. Nelson, J. Camm, B. Csuti, P. Fackler, E. Lonsdorf, C. Montgomery, D. White, J. Arthur, B. Garber-Yonts, R. Haight, J. Kagan, A. Starfield, and C. Tobalske. 2008. Where to put things? Spatial land management to sustain biodiversity and economic returns. *Biological Conservation* 141(6): 1505-1524.

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Barbier, E.B., E.W. Koch, B.R. Silliman, S. D. Hacker, E. Wolanski, J. Primavera, E. F. Granek, S. Polasky, S. Aswani, L.A. Cramer, D. Stoms, C.J. Kennedy, D.Bael, C.V. Kappel, G.M.E. Perillo and D.J. Reed. 2008. Vegetation's role in coastal protection: response. *Science* 320: 177.

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- Mason, C. and S. Polasky. 2005. What motivates membership in a non-renewable resource cartel? The case of OPEC. *Resource and Energy Economics* 27(4): 321-342.
- Tarui, N. and S. Polasky. 2005. Environmental regulation with learning and innovation: rules versus discretion. *Journal of Environmental Economics and Management* 50(3): 447-467.
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Boyer, T. and S. Polasky. 2004. Valuing urban wetlands: a review of non-market valuation studies. *Wetlands* 24(4): 744-755.

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Polasky, S., C. Costello and C. McAusland. 2004. On trade, land-use, and biodiversity. *Journal of Environmental Economics and Management* 48(2): 911-925.

Costello, C. and S. Polasky. 2004. Dynamic reserve site selection. *Resource and Energy Economics* 26(2): 157-174.

Santelmann, M., D. White, K. Freemark, J.I. Nassauer, J.M. Eilers, K.B. Vache, B.J. Danielson, R.C. Corry, M.E. Clark, S. Polasky, R.M. Cruse, J. Sifneos, H. Rustigian, C. Coiner, J. Wu and D. Debinski. 2004. Assessing alternative futures for agriculture in the U.S. Corn Belt. *Landscape Ecology* 19(4): 357-374.

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- Polasky, S. and O. Bin. 2001. Entry deterrence and signaling in a non-renewable resource model. *Journal of Environmental Economics and Management* 42(3): 235-256.
- Polasky, S. and A. Solow. 2001. The value of information in reserve site selection. *Biodiversity and Conservation* 10(7): 1051-1058.
- Coiner, C., J. Wu and S. Polasky. 2001. Economic and environmental implications of alternative landscape designs in the Walnut Creek Watershed of Iowa. *Ecological Economics* 38(1): 119-139.
- Costello, C., S. Polasky and A. Solow. 2001. Renewable resource management with environmental prediction. *Canadian Journal of Economics* 34(1): 196-211.
- Polasky, S., J. Camm and B. Garber-Yonts. 2001. Selecting biological reserves cost-effectively: an application to terrestrial vertebrate conservation in Oregon. *Land Economics* 77(1): 68-78.
- Polasky, S., B. Csuti, C. Vossler and S.M. Meyers. 2001. A comparison of taxonomic distinctness versus richness as criteria for setting conservation priorities for North American birds. *Biological Conservation* 97(1): 99-105.
- Polasky, S., J. Camm, A. Solow, B. Csuti, D. White and R. Ding. 2000. Choosing reserve networks with incomplete species information. *Biological Conservation* 94(1): 1-10.
- Mahan, B., S. Polasky, and R. Adams. 2000. Valuing urban wetlands: a property price approach. *Land Economics* 76(1): 100-113.
- Solow, A. and S. Polasky. 1999. A quick estimator for taxonomic surveys. *Ecology* 80(8):

2799-2803.

Shogren, J., J. Tschirhart, T. Anderson, A. Ando, S. Beisinger, D. Brookshire, G. Brown, D. Cash, D. Coursey, B. Gibbons, R. Innes, S. Meyer and S. Polasky. 1999. Why economics matters for endangered species protection. *Conservation Biology* 13(6): 1257-1261.

Solow, A. and S. Polasky. 1999. Assessing the Endangered Species Act as a tool to conserve biological diversity. *Choices* (Fall): 17-21.

Costello, C., R. Adams and S. Polasky. 1998. The value of El Nino forecasts in the management of salmon: a stochastic dynamic assessment. *American Journal of Agricultural Economics* 80: 765-777.

Innes, R., S. Polasky and J. Tschirhart. 1998. Takings, compensation and endangered species protection on private land. *Journal of Economic Perspectives* 12(3): 35-52.

Ando, A., J. Camm, S. Polasky and A. Solow. 1998. Species distributions, land values, and efficient conservation. *Science* 279: 2126-2128.

Polasky, S. and C. Mason. 1998. On the welfare effects of mergers: short run vs. long run. *Quarterly Review of Economics and Finance* 38(1): 1-24.

Polasky, S. and H. Doremus. 1998. When the truth hurts: endangered species policy on private land with imperfect information. *Journal of Environmental Economics and Management* 35(1): 22-47.

Mason, C. and S. Polasky. 1997. The optimal number of firms in the commons: a dynamic approach. *Canadian Journal of Economics* 30(4b): 1143-1160.

Naito, T. and S. Polasky. 1997. Analysis of a highly migratory fish stocks fishery: a game theoretic analysis. *Marine Resource Economics* 12: 179-201.

Polasky, S., H. Doremus and B. Rettig. 1997. Endangered species conservation on private land. *Contemporary Economic Policy* 15(4): 66-76.

Csuti, B., S. Polasky, P. Williams, R. Pressey, J. Camm, M. Kershaw, R. Kiester, B. Downs, R. Hamilton, M. Huso and K. Sahr. 1997. A comparison of reserve selection algorithms using data on terrestrial vertebrates in Oregon. *Biological Conservation* 80: 83-97.

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for reserve site selection. *Biological Conservation* 78: 353-355.

Polasky, S. 1996. Exploration and extraction in a duopoly exhaustible resource market. *Canadian Journal of Economics* 29(2): 473-492.

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BOOKS

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BOOK CHAPTERS, REPORTS, BOOK REVIEWS AND OTHER PUBLICATIONS

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