Appendix #1 Additional information on granting programs and journals that papers were published in.

Table A1.1 NSF granting programs that funded SES research between 2000-2015.

NSF Directorate	Grant Programs
Engineering	Real-time Machine Learning, Environmental Sustainability, Humans Disasters and the Built Environment
Computer & Information Science & Engineering	Smart Connected Communities
Biology	LTER, Ecosystem Sciences, Ecology and Evolution of Infectious Disease
Geosciences	Hydrology, Geomorphology and Land Use Dynamics, EPSCOR
Social, Behavioral & Economic Sciences	Critical Resilience Infrastructure Systems and Processes, Science of Learning Collaborative Networks
Crosscutting	Coupled Natural Human

Table A1.2: List of all journals that were published in and associated disciplinary categories. If the journal had three or more publications from our dataset, we evaluated whether the mission of the journal explicitly or implicitly included "interdisciplinary". If the description / mission of the journal explicitly included the word "interdisciplinary" we coded that as "yes", if the word was not used but was implicit in the description of the types of papers in the journal this was considered "implicit", and if neither of those conditions were me then it was "no". If there were less than three papers published in a given journal they were not evaluated and given a "N/A".

Journal	Discipline	Number of Papers	Interdisc?
Ecology and Society	ses	13	Yes
Ecosystems	ecology /biology	11	Yes
Landscape ecology	ecology /biology	10	Yes
Urban ecosystems	ses	10	Implicit
Global change biology	ecology /biology	9	Implicit
Landscape and Urban Planning	ses	9	Yes
Water resources research	hydrology	9	Yes
PLoS One	multi-disciplinary	8	Yes
Science	multi-disciplinary	8	Yes
Ecology letters	ecology /biology	8	No
Ecological applications	ecology /biology	7	Yes

Environmental management	ses	7	Yes
Ecological modelling	ecology /biology	7	Implicit
Journal of geophysical research-atmospheres	geoscience	7	No
Ecological economics	ses	6	Yes
Proceedings of the National Academy of Sciences	multi-disciplinary	6	Implicit
Frontiers in Ecology and the Environment	ecology /biology	5	Yes
Ambio	multi-disciplinary	5	Implicit
Bioscience	ecology /biology	5	Implicit
Environmental Modelling and Software	multi-disciplinary	5	Implicit
Forest Ecology and Management	ses	5	Implicit
Canadian journal of fisheries and aquatic sciences	ecology /biology	5	No
Conservation biology	ecology /biology	5	No
Environmental research letters	multi-disciplinary	4	Yes
Human ecology	ses	4	Yes
Nature	multi-disciplinary	4	Yes
Population and Environment	social science	4	Yes
Global environmental change	ses	4	Implicit
Journal of Geophysical Research -Earth Surface	geoscience	4	Implicit
Biogeochemistry	biogeochemistry	4	No
Biological invasions	ecology/biology	4	No
Ecology	ecology /biology	4	No
Fisheries oceanography	marine science	4	No
Geomorphology	geoscience	4	No
Geophysical research letters	geoscience	4	No
Journal of Medical Entomology	ecology /biology	4	No
Diversity	ecology /biology	3	Yes
Environmental Science and Technology	multi-disciplinary	3	Yes
Journal of Environmental Economics and Management	ses	3	Yes
Occasion: Interdisciplinary Studies in the Humanities	social science	3	Yes
Soil science society of america journal	geoscience	3	Yes
Hydrogeology journal	geoscience	3	Implicit
Applied geochemistry	geoscience	3	No
Bulletin of Marine Science	marine science	3	No
Bulletin of the Ecological Society of America	ecology /biology	3	No
Environmental pollution	ses	3	No
Hydrobiologia	ecology /biology	3	No
Hydrology and Earth System Sciences	hydrology	3	No
International Journal of Geographical Information Science	geography	3	No
Journal of Ecology	ecology /biology	3	No
Journal of geophysical research-biogeosciences	biogeochemistry	3	No
Limnology and oceanography	multi-disciplinary	3	No
Oecologia	marine science	3	No
Parasites and Vectors	health/disease	3	No

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Transactions of the American Fisheries Society	ecology /biology	3	No
Tree physiology	ecology /biology	3	No
A Matter of Spirit: Journal of the Intercommunity Justice and Peace Center	social science	< 3	N/A
Acta ecologica sinica	ecology /biology	< 3	N/A
Advances in Complex Systems	multi-disciplinary	< 3	N/A
Advances in Infectious Diseases	health/disease	< 3	N/A
Advances in marine biology	ecology /biology	< 3	N/A
Advances in Water Resources	geoscience	< 3	N/A
African Journal of Agricultural and Resource Economics	ses	< 3	N/A
Agriculture and Human Values	ses	< 3	N/A
Agriculture ecosystems & environment	ag	< 3	N/A
Agriculture, Ecosystems, and Environment	ag	< 3	N/A
Agronomy	ag	< 3	N/A
American antiquity	humanities	< 3	N/A
American fisheries society	ses	< 3	N/A
American fisheries society symposium	ses	< 3	N/A
American journal agricultural economics	ses	< 3	N/A
American Journal of Tropical Medicine and Hygiene	health/disease	< 3	N/A
American naturalist	ecology /biology	< 3	N/A
American prospect	social science	< 3	N/A
Animal behaviour	ecology /biology	< 3	N/A
Animal Feed Science and Technology	ag	< 3	N/A
Annals of Botany	ecology /biology	< 3	N/A
Annals of Glaciology	geoscience	< 3	N/A
Annals of the Association of American Geographers	geography	< 3	N/A
Annals of the New York Academy of Sciences	multi-disciplinary	< 3	N/A
Annual Meetings of the Population Association of America, Los Angeles	social science	< 3	N/A
Annual Review of Environment and Resources	multi-disciplinary	< 3	N/A
Anthropology news	humanities	< 3	N/A
Applied geography	geography	< 3	N/A
Aquaculture research	ag	< 3	N/A
Aquatic ecology	ecology /biology	< 3	N/A
Aquatic mammals	ecology /biology	< 3	N/A
Archiv für Hydrobiologie	ecology /biology	< 3	N/A
Arizona law review	law	< 3	N/A
Atmos. Ocean	geoscience	< 3	N/A
Auk	ecology /biology	< 3	N/A
Australian Journal of Agricultural and Resource Economics	ses	< 3	N/A
Automatica	multi-disciplinary	< 3	N/A
Biogeosciences	biogeochemistry	< 3	N/A
Biological conservation	ecology /biology	< 3	N/A
Biological sciences	ecology /biology	< 3	N/A

Biology letters	ecology /biology	< 3	N/A
Biotropica	ecology /biology	< 3	N/A
Bmc public health	health/disease	< 3	N/A
Boreas	geoscience	< 3	N/A
Bull. Amer. Meteor. Soc.	geoscience	< 3	N/A
Bulletin of the american meteorological society	geoscience	< 3	N/A
California archaeology	humanities	< 3	N/A
Canadian journal of zoology-revue canadienne de zoologie	ecology /biology	< 3	N/A
Capitalism, nature, socialism	multi-disciplinary	< 3	N/A
Caribbean Journal of Science	multi-disciplinary	< 3	N/A
Castanea	ecology /biology	< 3	N/A
Choices	ag	< 3	N/A
Cities	ses	< 3	N/A
Climate change	geoscience	< 3	N/A
Climate research	geoscience	< 3	N/A
Climatic change	geoscience	< 3	N/A
Computers and Electronics in Agriculture	ag	< 3	N/A
Computers and Geosciences	geoscience	< 3	N/A
Computers Environment and Urban Systems	geography	< 3	N/A
Conservation ecology	ecology /biology	< 3	N/A
Conservation letters	ecology /biology	< 3	N/A
Crustaceana	ecology /biology	< 3	N/A
Current anthropology	humanities	< 3	N/A
Current Opinion in Environmental Sustainability	ses	< 3	N/A
Current zoology	ecology /biology	< 3	N/A
Die erde	geography	< 3	N/A
Diseases of Aquatic Organisms	ecology /biology	< 3	N/A
Earth interactions	geoscience	< 3	N/A
Earth system dynamics	geoscience	< 3	N/A
Ecohealth	health/disease	< 3	N/A
Ecohydrology	hydrology	< 3	N/A
Ecological indicators	ecology /biology	< 3	N/A
Ecological research	ecology /biology	< 3	N/A
Ecologies and Politics of Health	ses	< 3	N/A
Ecology of freshwater fish	ecology /biology	< 3	N/A
Economics	social science	< 3	N/A
Economics and Management	social science	< 3	N/A
Ecosphere	ecology /biology	< 3	N/A
Electrical power systems research	engineering	< 3	N/A
Energy strategy review	social science	< 3	N/A
Environmental engineering science	engineering	< 3	N/A
Environment	multi-disciplinary	< 3	N/A
Environment and Behavior	ses	< 3	N/A

Environment and Society	ses	< 3	N/A
Environmental and Development Economics	social science	< 3	N/A
Environmental Biology of Fishes	ecology /biology	< 3	N/A
Environmental biosafety research	ecology /biology	< 3	N/A
Environmental conservation	ses	< 3	N/A
Environmental Hazards: Human and Policy Dimensions	ses	< 3	N/A
Environmental health perspectives	health/disease	< 3	N/A
Environmental history	humanities	< 3	N/A
Environmental resources economics	ses	< 3	N/A
Estudos avancados	multi-disciplinary	< 3	N/A
European Conference on Computer Vision	engineering	< 3	N/A
Europhysics letters	physics	< 3	N/A
Evolution	ecology /biology	< 3	N/A
Evolutionary applications	ecology /biology	< 3	N/A
Fish and fisheries	ses	< 3	N/A
Fisheries	ses	< 3	N/A
Fisheries research	ses	< 3	N/A
Food policy	social science	< 3	N/A
Forest Policy and Economics	ses	< 3	N/A
Forests	ses	< 3	N/A
Freshwater biology	ecology /biology	< 3	N/A
Functional ecology	ecology /biology	< 3	N/A
General technical report nrs-138	NA	< 3	N/A
Genetic and Evolutionary Computation Conference (GECCO 2009)	ecology /biology	< 3	N/A
Geoforum	geoscience	< 3	N/A
Georgia Journal of Ecological Anthropology	ecology /biology	< 3	N/A
Giscience and Remote Sensing	remote sensing	< 3	N/A
Global change	geoscience	< 3	N/A
Ground Water Monitoring and Remediation	hydrology	< 3	N/A
Hazard management	ses	< 3	N/A
Heredity	ecology /biology	< 3	N/A
Hydrol. Processes	hydrology	< 3	N/A
Hydrological processes	hydrology	< 3	N/A
IAHS Proceedings from Cold Region Hydrology in a Changing Climate	hydrology	< 3	N/A
ICES Journal of Marine Science	marine science	< 3	N/A
ICES Journal of Marine Sciences	marine science	< 3	N/A
IEEE Conference on Computer Vision and Pattern Recognition	engineering	< 3	N/A
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	remote sensing	< 3	N/A
IEEE Transactions on Pattern Analysis and Machine Intelligence	engineering	< 3	N/A
Inside agroforestry	ag	< 3	N/A
Integrated Environmental Assessment and Management	ses	< 3	N/A
Internat. J. Climatology	geoscience	< 3	N/A

International forestry review	ecology /biology	< 3	N/A
International Journal of Biometeorology	geoscience	< 3	N/A
International Journal of Biostatistics	mathematics	< 3	N/A
International Journal of Computer Vision		< 3	N/A
	engineering social science	< 3	N/A
International Journal of Digital Curation	health/disease	< 3	N/A
International journal of environmental research and public health International Journal of Environmental Research and Public		-	
Health	health/disease	< 3	N/A
International Journal of Forestry	ecology /biology	< 3	N/A
International Journal of Geo-Information	geography	< 3	N/A
International Journal of Health Geographies	health/disease	< 3	N/A
International Journal of Remote Sensing	remote sensing	< 3	N/A
International Journal of Sustainable Development	ses	< 3	N/A
International Journal of Wildland Fire	geoscience	< 3	N/A
J. Geophys. Res.	geoscience	< 3	N/A
J. Geophysical research-biogeosciences	biogeochemistry	< 3	N/A
Jgr-biogeosciences	biogeochemistry	< 3	N/A
Jgr-oceans	marine science	< 3	N/A
Journal of Geophysical Research	geoscience	< 3	N/A
Journal of Archaeological Science	humanities	< 3	N/A
Journal of Theoretical Biology	ecology /biology	< 3	N/A
Journal of Agricultural and Applied Economics	ses	< 3	N/A
Journal of American Water Resources Association	ses	< 3	N/A
Journal of Animal Ecology	ecology /biology	< 3	N/A
Journal of Applied Ecology	ecology /biology	< 3	N/A
Journal of Applied Meteorology and Climatology	geoscience	< 3	N/A
Journal of Archaeological Method and Theory	humanities	< 3	N/A
Journal of Arid Environments	geoscience	< 3	N/A
Journal of Climate	geoscience	< 3	N/A
Journal of Coastal Management	ses	< 3	N/A
Journal of Coastal Research	marine science	< 3	N/A
Journal of Development Studies	social science	< 3	N/A
Journal of Earth Science	geoscience	< 3	N/A
Journal of environmental engineering-asce	engineering	< 3	N/A
Journal of Environmental Indicators	ses	< 3	N/A
Journal of Environmental Management	ses	< 3	N/A
Journal of evolutionary biology	ecology /biology	< 3	N/A
Journal of Extension	ag	< 3	N/A
Journal of fish biology	ecology /biology	< 3	N/A
Journal of Fish Biology	ecology /biology	< 3	N/A
Journal of Forestry	geoscience	< 3	N/A
Journal of Geophysical Research	geoscience	< 3	N/A
Journal of Glaciology	geoscience	< 3	N/A
Journal of Great Lakes Research	multi-disciplinary	< 3	N/A

ecology /biology	< 3	N/A
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engineering	< 3	N/A
health/disease	< 3	N/A
multi-disciplinary	< 3	N/A
ecology /biology	< 3	N/A
humanities	< 3	N/A
remote sensing	< 3	N/A
ses	< 3	N/A
social science	< 3	N/A
ecology /biology	< 3	N/A
health/disease	< 3	N/A
ecology /biology	< 3	N/A
ecology /biology	< 3	N/A
ses	< 3	N/A
ses	< 3	N/A
ecology /biology	< 3	N/A
ses	< 3	N/A
ses	< 3	N/A
geoscience	< 3	N/A
geoscience	< 3	N/A
multi-disciplinary	< 3	N/A
health/disease	< 3	N/A
ecology /biology	< 3	N/A
marine science	< 3	N/A
geoscience	< 3	N/A
ecology /biology	< 3	N/A
ecology /biology		
	multi-disciplinary ecology /biology numanities remote sensing ses social science ecology /biology nealth/disease ecology /biology ses ses geoscience multi-disciplinary nealth/disease ecology /biology marine science geoscience	nydrology < 3 ses < 3 geography < 3 marine science < 3 social science < 3 ses < 3 secology /biology < 3 secology /biol

North American Journal of fisheries Management	ecology /biology	< 3	N/A
Northwest science	multi-disciplinary	< 3	N/A
Oceanography and Marine Biology: An annual review	marine science	< 3	N/A
Oikos	ecology /biology	< 3	N/A
Parasitol research	health/disease	< 3	N/A
Pedobiologia	ecology /biology	< 3	N/A
Peer Reviewed Proceedings of Digital Landscape Architecture	humanities	< 3	N/A
Permafrost and Periglacial Processes	geoscience	< 3	N/A
Phil. Trans. Royal society	multi-disciplinary	< 3	N/A
Physical review e	physics	< 3	N/A
Places	humanities	< 3	N/A
Plant and Soil	ecology /biology	< 3	N/A
Plant ecology	ecology /biology	< 3	N/A
Polar geography	geography	< 3	N/A
Population ecology	ecology /biology	< 3	N/A
Procedia environmental sciences	geoscience	< 3	N/A
Proceedings of the 23rd International Conference on the Systems Dynamics of Society	social science	< 3	N/A
Proceedings of the Environmental Information Management Conference, Santa Barbara, CA	geography	< 3	N/A
Proceedings of the Royal Society B	ecology /biology	< 3	N/A
Proceedings of the Royal Society B - Biological Sciences	ecology /biology	< 3	N/A
Proceedings on the second conference on the Human Dimensions of Wildland Fire U.S. Department of Agriculture	ses	< 3	N/A
Proceeds of the 8th Annual Conference on Communication and Environment	ses	< 3	N/A
Progress in Human Geography	geography	< 3	N/A
Progress in Oceanography	marine science	< 3	N/A
Quarterly j. Royal meteorological soc.	geoscience	< 3	N/A
Regional environmental change	geoscience	< 3	N/A
Remote sensing	remote sensing	< 3	N/A
Remote Sensing of Environment	remote sensing	< 3	N/A
Research and Applications	NA	< 3	N/A
Resource and Energy Economics	ses	< 3	N/A
Restoration ecology	ecology /biology	< 3	N/A
Review of Agricultural Economics	ses	< 3	N/A
Review of Economics and Statistics	social science	< 3	N/A
Revista economãa Sociedad y Territorio	social science	< 3	N/A
Scientific reports	multi-disciplinary	< 3	N/A
SIAM Journal on Control and Optimization	mathematics	< 3	N/A
Society and Natural Resources	ses	< 3	N/A
Sound Science: Synthesizing Ecological and Socioeconomic Information about the Puget Sound Ecosystem	ses	< 3	N/A
Southern Journal of Applied Forestry	ecology /biology	< 3	N/A
Survey of Geophysics	geoscience	< 3	N/A
Sustainability: science, practice and policy	ses	< 3	N/A

The holocene	geoscience	< 3	N/A
The professional geographer	geography	< 3	N/A
The social science journal	social science	< 3	N/A
Theoretical ecology	ecology /biology	< 3	N/A
Tinro	NA	< 3	N/A
Transactions in GIS	geography	< 3	N/A
Transactions of the Institute of British Geographers	geography	< 3	N/A
Trends in Ecology and Evolution	ecology /biology	< 3	N/A
Tropical conservation science	ecology /biology	< 3	N/A
UGEC viewpoints	ses	< 3	N/A
Urbanization and Global Environmental Change Viewpoints	ses	< 3	N/A
Verhandlungen der Internationale Vereiningung Theoretische und Angewandte Limnologie	ecology /biology	< 3	N/A
Water resources	hydrology	< 3	N/A
Weed science	ecology /biology	< 3	N/A
World development	ses	< 3	N/A
Zoologia	ecology /biology	< 3	N/A
Zoonoses and Public Health	ecology /biology	< 3	N/A

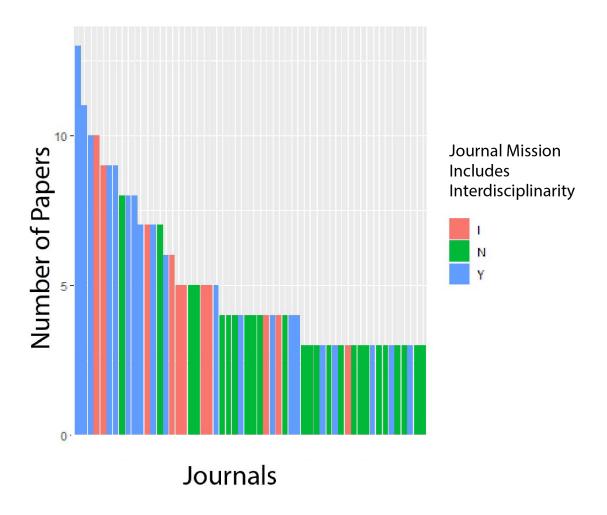


Figure A1.1. The number of papers published in each journal with 3 or more papers and details on inclusion of interdisciplinarity in the mission statement of that journal.