Appendix 3. Key terms that were identified in a word cloud analysis. Terms that were included, excluded, and combined with other terms in the final analysis are noted.

Table 3.1. List of the top 100 terms as extracted from author—provided keywords in 2198 place-based studies on social-ecological systems, published between before July 2015.

Rank	Concatenated Term	Frequency	Inclusion
1	socialecologicalsystems	321	Excluded
2	resilience	272	Included
3	climatechange	168	Included
4	sustainability	168	Combined with "Sustainable Development"
5	ecosystemservices	124	Included
6	sustainabledevelopment	113	Included
7	governance	89	Combined with "Institutions"
8	socialecologicalsystem	85	Included
9	vulnerability	84	Included
10	environment	83	Included
11	adaptation	77	Combined with "Adaptive capacity, adaptive management"
12	biodiversity	73	Included
13	adaptivemanagement	64	Combined with "Adaptive capacity, adaptive management"
14	agriculture	60	Included
15	institutions	57	Combined with "Governance"
16	conservation	56	Combined with "Protected Areas"
17	china	53	Excluded
18	adaptivecapacity	51	Combined with "adaption", "adaptive management"

19	landuse	49	Combine with "Land use change", "Land Cover Change", "Degredation"
20	deforestation	46	Included
21	politicalecology	44	Included
22	trade	44	Included
23	fisheries	43	Included
24	landusechange	43	Included
25	naturalresourcemanagement	42	Included
26	complexity	41	Excluded
27	humanenvironmentinteractions	38	Excluded
28	gis	37	Excluded
29	scale	37	Excluded
30	socialecologicalresilience	33	Excluded
31	australia	32	Excluded
32	commonpoolresources	32	Included
33	comanagement	31	Combined with "Institutions" & "Governance"
34	development	31	Combined with "Sustainable Development"
35	brazil	29	Excluded
36	landdegradation	29	Combined with "land use change"
37	management	28	Combined with "natural resource management"
38	participation	28	Excluded
39	uncertainty	28	Excluded

40	globalization	27	Excluded
41	india	27	Excluded
42	sociallearning	27	Excluded
43	environmentalpolicy	26	Combined with "policy"
44	internationaltrade	26	Excluded
45	mexico	26	Excluded
46	ecology	25	Excluded
47	landscape	25	Excluded
48	policy	25	Combined with "environmentalpolicy"
49	remotesensing	25	Excluded
50	risk	25	Excluded
51	adaptivegovernance	24	Excluded
52	africa	24	Excluded
53	environmentaleducation	24	Excluded
54	globalchange	24	Excluded
55	industrialecology	24	Excluded
56	socialecological	24	Excluded
57	decisionmaking	23	Excluded
58	environmentalchange	23	Excluded
59	environmentaljustice	23	Combined with "Social Justice" (not shown)
60	foodsecurity	23	Combine with "Food"
61	smallscalefisheries	23	Combined with "Fisheries"
62	developingcountries	22	Excluded

63	ecosystembasedmanagement	22	Combined with "natural resource management" and "management"
64	environmentalgovernance	22	Combined with "Instiutions", "Governance"
65	fisheriesmanagement	22	Combined with "Fisheries"
66	humanenvironmentinteraction	22	Included
67	livelihoods	22	Included
68	socialcapital	22	Excluded
69	collectiveaction	21	Excluded
70	ecosystemmanagement	21	Excluded
71	indicators	21	Excluded
72	irrigation	20	Excluded
73	tourism	20	Excluded
74	archaeology	19	Excluded
75	biodiversityconservation	19	Combined with "Conservation" and "Protected Areas"
76	collaboration	19	Excluded
77	marineprotectedareas	19	Combined with "Conservation" and "Protected Areas"
78	traditionalecologicalknowledge	19	Excluded
79	transformation	19	Excluded
80	adaptivecycle	18	Excluded
81	desertification	18	Excluded
82	drought	18	Combined with "Desertification"
83	environmentalmanagement	18	Combined with "Natural Reseoource Management"
84	interdisciplinary	18	Excluded

85	modeling	18	Excluded
86	southafrica	18	Excluded
87	urban	18	Included
88	watermanagement	18	Combined with "water"
89	economics	17	Excluded
90	learning	17	Excluded
91	nature	17	Excluded
92	poverty	17	Included
93	protectedareas	17	Combined with "Conservation"
94	scenarios	17	Excluded
95	environmentaldegradation	16	Combined with "degradation"
96	holocene	16	Excluded
97	invasivespecies	16	Excluded
98	latinamerica	16	Excluded
99	agentbasedmodeling	15	Excluded
100	aquaculture	15	Exclusion