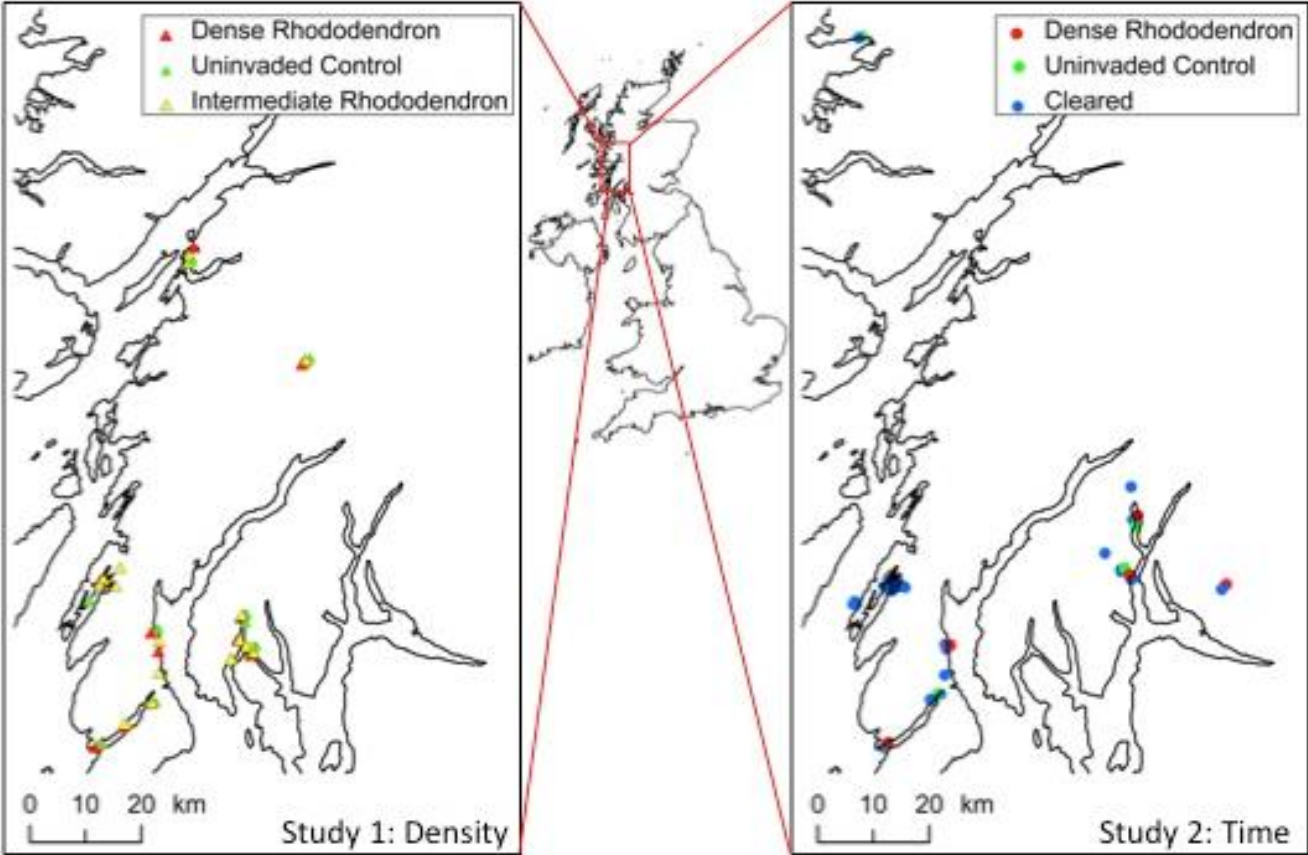


1 **Supporting Information: Supplementary Figures and Tables**

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4 **Fig. S1.** Map of study site locations.

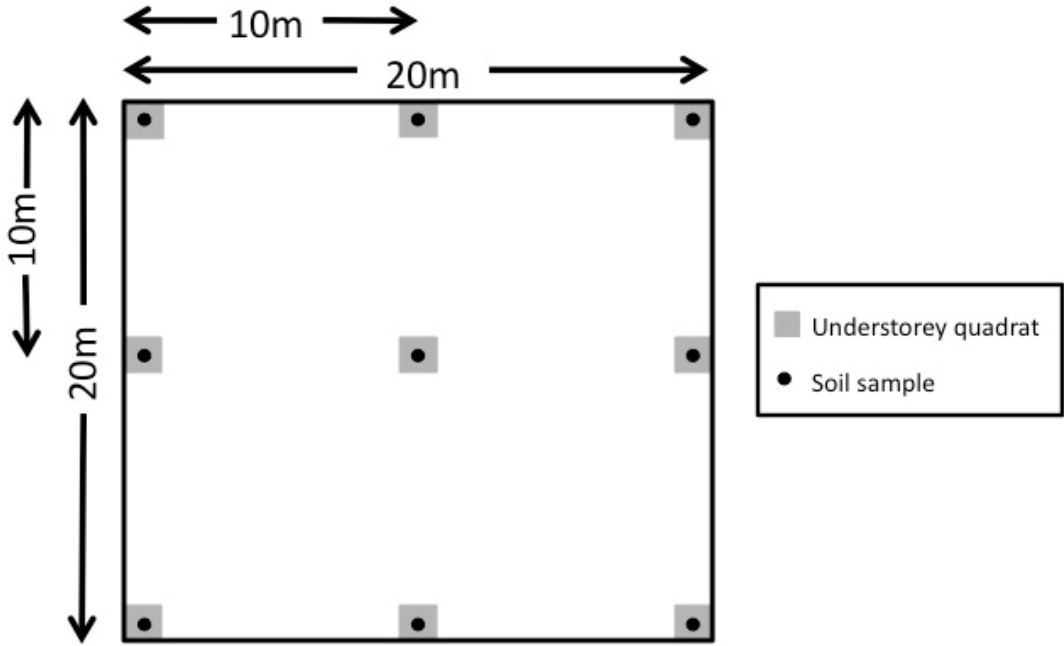
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11 **Fig. S2.** Schematic of plot layout showing the arrangement of quadrats and soil
12 samples.

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The long-term legacy of invasive *Rhododendron*

15 **Table S1: Locations of all plots used in study 1.** The table gives information on
 16 the date the survey was conducted, the plot number, the plot name, the OS map grid
 17 reference, *Rhododendron* density at the plot, whether soil probes were deployed (Y
 18 = yes; N = no), and the geographic block the plot was assigned to.

Survey Date	Plot Num	Plot Name	Prefix	Easting	Northing	Rp per ha	Soil Probes	Block
23/05/2013	1	scotnish A	NR	75826	88603	565	Y	A
25/05/2013	2	artilligan burn	NR	85879	77226	1531	Y	B
26/05/2013	3	stronachullin burn A	NR	84840	79233	1859	Y	B
26/05/2013	4	stronachullin burn B	NR	84924	79229	0	Y	B
27/05/2013	5	scotnish B	NR	75965	88480	343	Y	A
29/05/2013	6	ashens	NR	85855	71583	933	N	J
30/05/2013	7	ferry house A	NR	74907	58800	276	Y	D
31/05/2013	8	scotnish fcs	NR	75196	87447	1589	N	A
01/06/2013	9	ferry house B	NR	74903	58875	601	N	D
01/06/2013	10	ferry house C	NR	74890	58804	1565	N	D
02/06/2013	11	gartnagrenoch	NR	78898	90373	651	N	A
03/06/2013	12	ferry house D	NR	74743	58853	0	Y	D
04/06/2013	13	achnamara	NR	78128	87092	236	N	A
06/06/2013	14	kirnashie	NR	79831	41236	180	N	J
07/06/2013	15	tanynish nnr	NR	72863	84104	0	Y	A
18/06/2013	16	ardpatrick house	NR	74821	59324	159	N	D
19/06/2013	17	corranbuie A	NR	84507	66205	95	Y	C
20/06/2013	18	corranbuie B	NR	84415	66145	0	Y	C
20/06/2013	19	corranbuie C	NR	84576	66347	362	Y	C
25/06/2013	20	scotnish D	NR	75951	88403	950	N	A
26/06/2013	21	skipness	NR	89752	57436	1260	N	J
29/06/2013	22	achaglachgach A	NR	79753	62464	125	Y	C
30/06/2013	23	minard bay	NR	97553	94834	1179	N	J
01/07/2013	24	achaglachgach B	NR	79869	62483	2778	Y	C
01/07/2013	25	achaglachgach C	NR	79734	62430	89	Y	C
02/07/2013	26	erines	NR	86125	75910	1618	N	B

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03/07/2013	27	tighnabruich A	NR	98929	74224	137	N	E
04/07/2013	28	tighnabruich B	NR	98625	74030	179	N	E
10/07/2013	29	ruel river A	NS	884	81903	3106	Y	F
11/07/2013	30	ruel river B	NS	659	81941	240	Y	F
12/07/2013	31	ruel river C	NS	800	81893	132	Y	F
13/07/2013	32	ruel river D	NS	746	81850	265	Y	F
13/07/2013	33	ruel river E	NS	690	81901	53	Y	F
18/07/2013	34	ruel river F	NS	666	81965	103	N	F
20/07/2013	35	colintraive A	NS	2466	76068	113	N	G
20/07/2013	36	colintraive B	NS	2387	76248	191	N	G
21/07/2013	37	achaglachgach D	NR	79721	62528	398	Y	C
22/07/2013	38	colintraive C	NS	2666	75254	1366	N	G
23/07/2013	39	colintraive D	NS	2691	75279	1265	N	G
24/07/2013	40	colintraive E	NS	2381	76206	50	N	G
08/08/2013	41	tighnabruich C	NS	294	77975	1217	N	E
09/08/2013	42	tighnabruich D	NS	187	77350	215	N	E
09/08/2013	43	tighnabruich E	NS	237	77532	1071	N	E
11/08/2013	44	tighnabruich F	NS	610	80276	0	N	E
12/08/2013	45	fearnoch	NS	1481	76408	211	N	G
14/08/2013	46	port appin A	NM	91106	44709	500	N	I
14/08/2013	47	port appin B	NM	91128	44659	148	N	I
15/08/2013	48	port appin C	NM	91339	46014	1015	N	I
15/08/2013	49	port appin D	NM	91100	44668	52	N	I
16/08/2013	50	castle stalker	NM	92524	47799	1439	N	I
18/08/2013	51	loch awe A	NN	11909	27188	616	N	H
18/08/2013	52	loch awe B	NN	11888	27204	168	N	H
19/08/2013	53	loch awe C	NN	11798	27022	843	N	H
19/08/2013	54	loch awe D	NN	11791	26986	887	N	H
20/08/2013	55	loch awe E	NN	12057	27305	70	N	H
20/08/2013	56	loch awe F	NN	12094	27302	178	N	H

20 **Table S2: Locations of all plots used in study 2.** The table gives information on
 21 the date the survey was conducted, the plot number, the plot name, the OS map grid
 22 reference, How many years ago the *Rhododendron* was cleared from the plot, and
 23 the geographic block the plot was assigned to. UC = uninvaded control plot, DR =
 24 dense *Rhododendron* plot.

Survey Date	Plot Num	Plot Name	Prefix	Easting	Northing	When Cleared	Block
09/05/2014	57	Scotnish picnic	NR	75075	87299	13	A
10/05/2014	58	Scotnish fcs A	NR	76033	89238	UC	A
11/05/2014	59	Faery isles A	NR	76169	87825	11	A
12/05/2014	60	Scotnish fcs B	NR	75770	88740	13	A
13/05/2014	61	Craiglin A	NR	77390	87245	13	K
14/05/2014	62	Faery isles B	NR	75403	87248	11	A
15/05/2014	63	Craiglin B	NR	76374	86594	13	K
16/05/2014	64	Scotnish house	NR	75926	88590	DR	A
20/05/2014	65	Craiglin C	NR	77794	88002	15	K
21/05/2014	66	Achnamara	NR	78809	87208	8	K
29/05/2014	67	Artilligan FCS	NR	85939	77099	18	B
30/05/2014	68	Ferry House A	NR	74937	58761	20	D
31/05/2014	69	Ferry House B	NR	75141	58903	30	D
01/06/2014	70	Ferry House C	NR	75021	58798	10	D
02/06/2014	71	Artilligan B	NR	86150	76267	18	B
04/06/2014	72	Ferry House D	NR	75151	58975	UC	D
06/06/2014	73	Ferry House E	NR	74960	58787	DR	D
07/06/2014	74	Ashens	NR	85872	71608	10	C
08/06/2014	75	Baravalla A	NR	85162	68224	10	C
09/06/2014	76	Erines	NR	86146	76182	DR	B
14/06/2014	77	Baravalla B	NR	84243	67921	UC	C
15/06/2014	78	Baravalla C	NR	83308	67271	20	C
18/06/2014	79	Borrodale am Port A	NR	69804	84694	10	M
19/06/2014	80	Borrodale am Port B	NR	69493	84213	10	M
19/06/2014	81	Borrodale am Port C	NR	69514	84200	10	M

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20/06/2014	82	Borrodale am Port D	NR	69890	84677	10	M
25/06/2014	83	Beasdale Station A	NM	70804	84901	UC	M
26/06/2014	84	Beasdale Station B	NM	70545	84995	5	M
27/06/2014	85	Craig Hoyle A	NS	17363	90324	30	H
28/06/2014	86	Craig Hoyle B	NS	17367	90283	30	H
29/06/2014	87	Craig Hoyle C	NS	17355	90253	30	H
30/06/2014	88	Craig Hoyle D	NS	17361	90397	30	H
01/07/2014	89	Craig Hoyle E	NS	17421	90082	25	H
02/07/2014	90	Craig Hoyle F	NS	17404	90044	25	H
30/07/2014	91	Craig Hoyle G	NS	17495	90409	20	H
10/07/2014	92	Craig Hoyle H	NS	17658	90292	UC	H
11/07/2014	93	Whistlefield Inn	NS	14490	93296	15	L
12/07/2014	94	Stronvochlan A	NS	19500	88809	3	L
13/07/2014	95	Stronvochlan B	NS	19132	88658	15	L
14/07/2014	96	Stronvochlan C	NS	19322	88721	DR	L
15/07/2014	97	Lochgoilhead A	NS	19481	99314	15	I
16/07/2014	98	Lochgoilhead B	NS	19597	97610	UC	I
17/07/2014	99	Lochgoilhead C	NS	19492	99323	15	I
18/07/2014	100	Lochgoilhead D	NS	19609	99277	DR	I
19/07/2014	101	Hells Glen A	NN	19161	5124	15	I
21/07/2014	102	Hells Glen B	NN	19248	5160	15	I
22/07/2014	103	Luss A	NS	35393	87004	12	J
22/07/2014	104	Luss B	NS	35378	87002	DR	J
23/07/2014	105	Luss C	NS	35325	86844	1	J

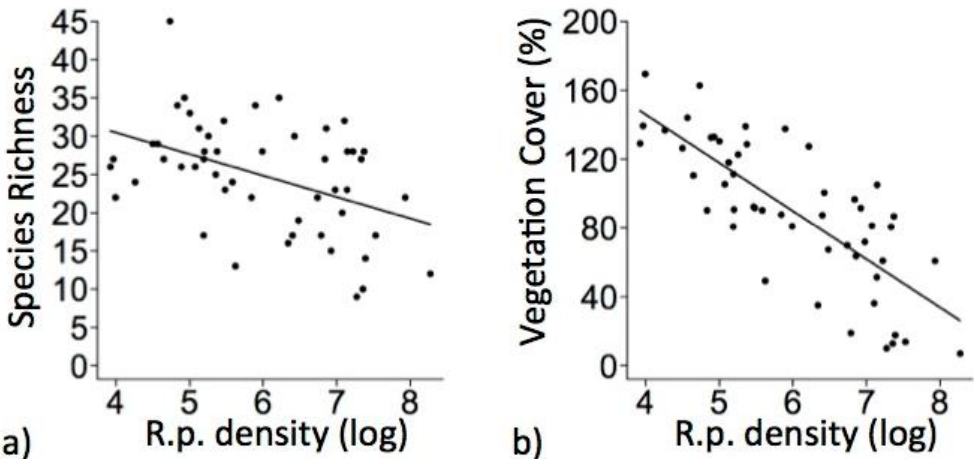
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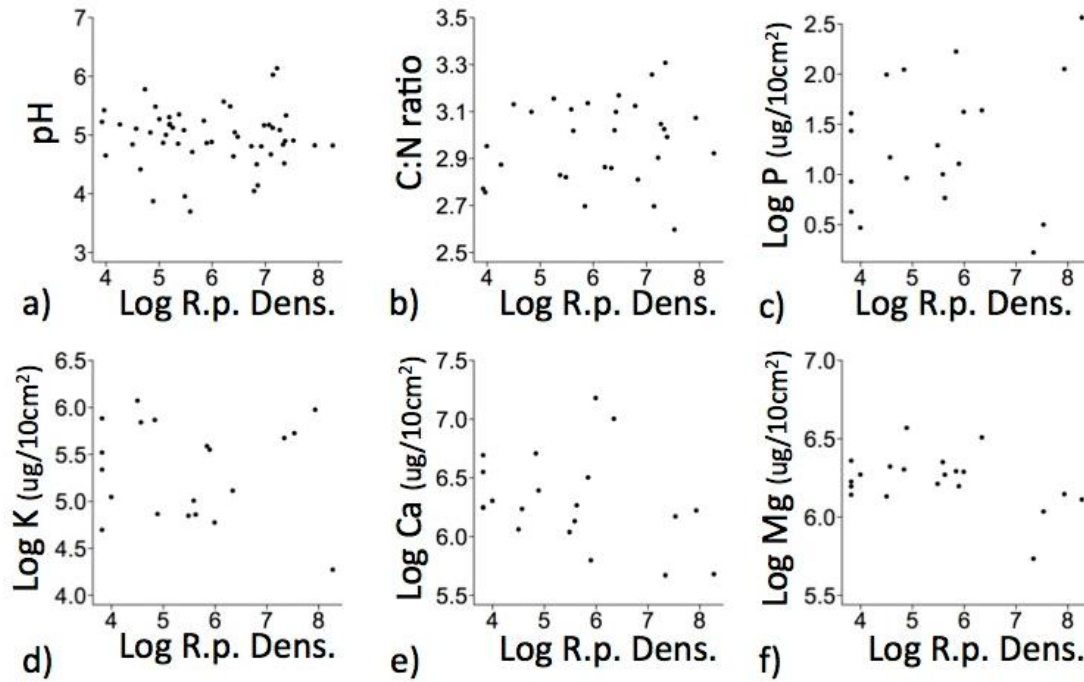
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31 **Fig. S3.** The effect of increasing *R. ponticum* density on (a) understorey plant species
32 richness and (b) vegetation cover (percent cover).

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47 **Fig. S4.** The effect of *R. ponticum* density on (a) pH, (b) Carbon:Nitrogen ratio, (c)
48 Phosphorus, (d) Potassium, (e) Calcium and (f) Magnesium. There were no significant
49 changes in pH ($F_{1,40}=0.52$, $P=0.47$), Carbon:Nitrogen ratio ($F_{1,33}=2.12$; $P=0.15$),
50 Phosphorus ($F_{1,18}=0.84$; $P=0.37$), Potassium ($F_{1,18}=0.17$; $P=0.68$), Calcium ($F_{1,18}=2.03$;
51 $P=0.17$) or Magnesium ($F_{1,18}=3.34$; $P=0.12$) as *R. ponticum* density increased.

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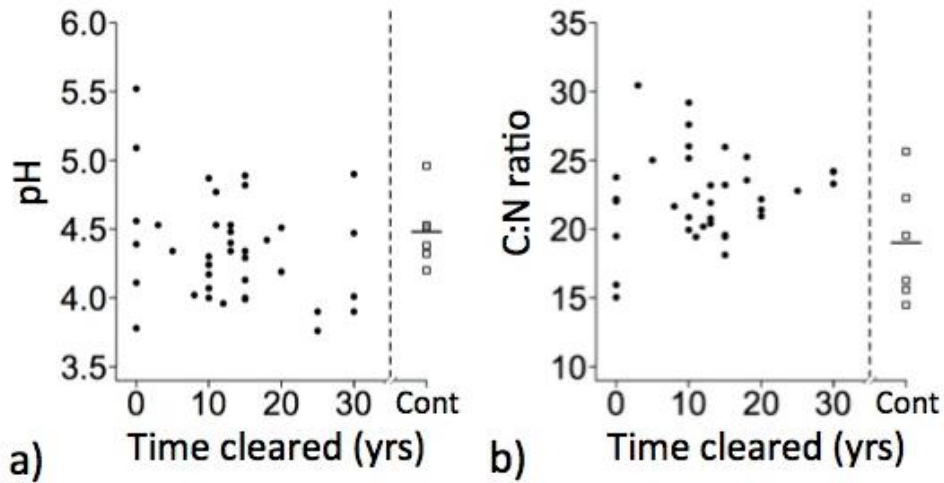
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60 **Fig. S5.** The effect of time since *R. ponticum* clearance on (a) pH and (b) C:N ratio.
61 Uninvaded control plots (Cont) are plotted for comparison and their mean value is
62 denoted with a horizontal line. There was no change in pH ($F_{1,37}=2.39$; $P=0.13$) or
63 C:N ratio ($F_{1,34}=0.80$, $P=0.37$) as time since *R. ponticum* clearance increased.

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