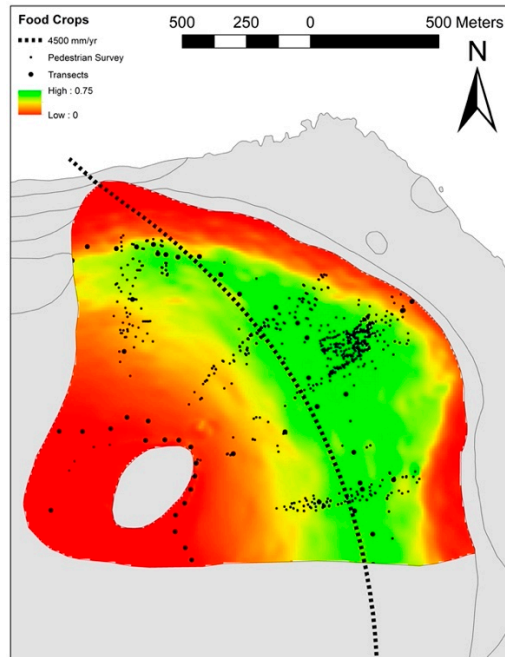
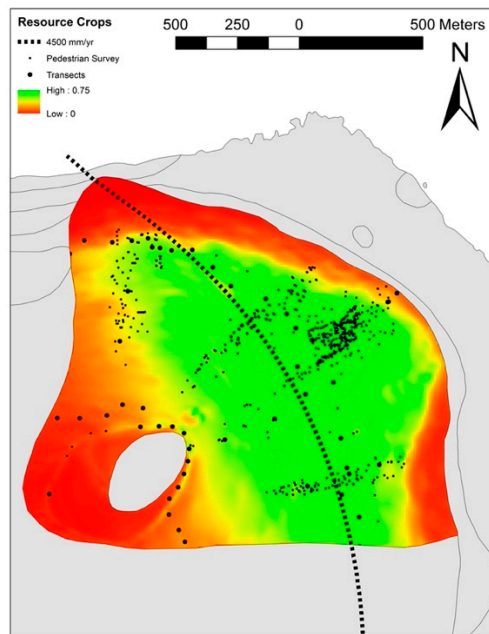


## Supplementary



**Figure S1.** Maximum entropy model of food crops identified in the botanical survey.



**Figure S2.** Maximum entropy model of resource crops identified in the botanical survey.

Table S1. All Soil Data

ID	Lat	Long	%C from LOI	pH	PO4-P	Ex Ca [cmol]/ Ex K [cmol]/ Ex Mg [cmol]/ Ex Na [cmol]/ CEC	BS (%)	Al	Mn	S	B	Nb	Na	Mg	Fe	K	P	Cs				
5001a	-14.233503	-169.4507		5.34																		
5001b	-14.233503	-169.4507		4.82																		
5001c	-14.233503	-169.4507																				
5002a	-14.23236	-169.44832		4.91	3.7890588	0.33	0.03	0.35	0.05	8.2	9.34	41560.9	704.8	950.4		31.45	12.1	3242.9	65633.8	230.9	217.6	
5002b	-14.23236	-169.44832		5.34																		
5002c	-14.23236	-169.44832		5.54																		
5003a	-14.231465	-169.44668		4.91																		
5003b	-14.231465	-169.44668		5.1																		
5003c	-14.231465	-169.44668		5.05																		
5004a	-14.230691	-169.4458		5.45																		
5004b	-14.230691	-169.4458		5.4																		
5004c	-14.230691	-169.4458		5.02																		
5005a	-14.229768	-169.44409		5.01																		
5005b	-14.229768	-169.44409		4.71																		
5005c	-14.229768	-169.44409		5.07																		
5006a	-14.229013	-169.4425		5.58	10.6327183	1.16	0.03	0.68	0.1	12	16.32	36922.8	848.2	809.9		30.65	33.0	5694.1	53941.5	364.8	617.7	
5006b	-14.229013	-169.4425		5.3																		
5006c	-14.229013	-169.4425		5.3																		
5007a	-14.228312	-169.4413		4.7																		
5007b	-14.228312	-169.4413		5.15																		
5007c	-14.228312	-169.4413		4.87																		
5008a	-14.227825	-169.44007		5.1																		
5008b	-14.227825	-169.44007		4.93																		
5008c	-14.227825	-169.44007		5.09																		
5009a	-14.227147	-169.43909		5.01																		
5009b	-14.227147	-169.43909		5.28																		
5009c	-14.227147	-169.43909		5.09																		
5010a	-14.225694	-169.438		5.32	17.5724656	1.28	0.05	1.66	0.07	14.1	21.7	34275.3	960.8	723.7	0.8	29.65	38.6	10052.3	44191.4	471.4	834.6	
5010b	-14.225694	-169.438		5.31																		
5010c	-14.225694	-169.438		5.46																		
5011a	-14.223968	-169.4368		5.65																		
5011b	-14.223968	-169.4368		5.34																		
5011c	-14.223968	-169.4368		6.24																		
5012a	-14.223337	-169.43573		5.79																		
5012b	-14.223337	-169.43573		5.76																		
5012c	-14.223337	-169.43573		6.07																		
5013a	-14.223655	-169.43143		5.78	14.9707567	3.46	0.11	2.21	0.09	15.4	38.13	26305.6	590.9	917.2	2.5	0.8	90.4	6515.5	28670.7	17.5	532.5	2417.5
5013b	-14.223655	-169.43143		5.15																		
5013c	-14.223655	-169.43143		5.49																		
50137a	-14.223655	-169.43143		5.5	45.0371567	4.83	0.13	2.62	0.1	19.7	38.98	24637.1	681.3	952.8	2.2	0.7	93.1	7657.9	30112.2	22.9	567.8	2794.9
50137b	-14.223655	-169.43143		5.52																		
50137c	-14.223655	-169.43143		5.61																		
50145a	-14.222876	-169.42957		5.91	52.0243715	7.54	0.17	4.58	0.18	26.5	47.15	23584.8	585.0	901.3	3.3	1	95.7	8730.6	28462.0	40.2	587.4	3760.4
50145b	-14.222876	-169.42957		5.29	52.6224619																	
50145c	-14.222876	-169.42957		5.67																		
50147a	-14.222876	-169.42957		5.76	44.805033	6.94	0.13	3.07	0.09	21.9	46.73	27551.8	678.9	861.2	4.0	1.2	67.1	10268.6	32122.6	23.2	548.1	3253.5
50147b	-14.222876	-169.42957		5.93																		
50147c	-14.222876	-169.42957		5.99																		
50155a	-14.219172	-169.42841		5.73	42.9296	9.36	0.1	4.65	0.12	28.5	49.92	24133.2	648.5	862.8	4.1	1	76.3	10295.6	29120.4		714.6	4272.6
50155b	-14.219172	-169.42841		5.75																		
50155c	-14.219172	-169.42841		6.44																		
50157a	-14.219172	-169.42841		6.13	14.7429127	7.3	0.08	3.53	0.11	16.4	67.39	24795.9	667.9	801.2	3.0	0.9	65.0	10666.1	29894.4	15.0	708.1	3902.2
50157b	-14.219172	-169.42841		7.5																		
50157c	-14.219172	-169.42841		6.15																		
5016a	-14.2177	-169.42471		6.2	80.3434774	7.61	0.08	2.49	0.07	19.9	51.39	22498.9	510.8	642.3	2.4	0.6	154.6	11983.4	22728.1		1764.4	5188.6
5016b	-14.2177	-169.42471		6.04																		
5016c	-14.2177	-169.42471		6.28																		
5017b	-14.218242	-169.42502		6.78	84.0459418	11.13	0.23	3.63	0.11	23.5	64.21	20364.6	551.2	184.8	5.1	1.1	266.2	12788.9	24299.0	85.7	769.2	5984.8
5017c	-14.218242	-169.42502		6.55																		
5018a	-14.218554	-169.42533		6.58	49.119361	11.29	0.29	4.87	0.15	28.1	59	19756.6	493.4	773.8	5.9	1.5	118.6	11019.3	22511.5	145.9	814.3	5584.5
5018b	-14.218554	-169.42533		6.65																		
5018c	-14.218554	-169.42533		5.96																		
50187a	-14.218554	-169.42533		6.29	50.7997102	9.06	0.15	4	0.09	20.5	64.78	20624.3	522.1	726.6	3.8	2.1	96.3	11578.1	23066.4	21.4	792.8	4532.4
50187b	-14.218554	-169.42533		6.08																		
50187c	-14.218554	-169.42533		6.48																		
50195a	-14.218569	-169.42536		6.42	41.5720297	7.65	0.14	3.96	0.09	20.3	58.45	25339.6	610.7	820.8	3.8	2.9	80.2	12015.1	34003.5	45.3	762.6	3869.5
50195b	-14.218569	-169.42536		6.25																		
50195c	-14.218569	-169.42536		5.7																		
50197a	-14.218569	-169.42536		6.01	41.2872248	5.26	0.04	3.92	0.05	22	42.2	28917.4	701.3	699.1	2.1	3	60.5	10797.8	39402.7		619.4	2729.6
50197b	-14.218569	-169.42536		6.06																		
50197c	-14.218569	-169.42536		6.03																		
50205a	-14.22096	-169.42873		5.96	50.4959183	8.86	0.09	3.73	0.09	21.6	59.24	23562.7	586.0	805.4	4.0	2.3	56.7	11949.2	32118.5		675.6	4539.8
50205b	-14.22096	-169.42873		5.92	50.9041387																	
50205c	-14.22096	-169.42873		5.76																		
50207a	-14.22096	-169.42873		5.9	48.1889981	9.13	0.09	3.22	0.04	22.6	55.12	24274.5	580.5	807.9	3.5	3.2	59.8	11647.2	31822.5		674.5	4250.6
50207b	-14.22096	-169.42873		5.92		9.13	0.06	3.27	0.04	22.8	54.81	24377.0	596.9	806.1	3.5	2.8	54.8	11724.5	32147.4		706.7	4229.8
50207c	-14.22096	-169.42873		5.93																		
5101	-14.22319	-169.4334		5.62	40.3663554	0.46	0.12	0.81	0.11	13.3	11.36	24843.6	134.4	1169.917	3.2	1.3	110.4	3870.1	41682.0	127.0	578.2	634.9
5102	-14.223428	-169.43296		5.37	36.465536	2.05	0.13	1.55	0.12	15.7	24.48	32653.7	329.8	983.7	4.1	2.1	69.9	4932.8	55727.8		608.1	1435.9
5103	-14.224076	-169.43276		5.21	32.248057	2.78	0.01	0.61	0.17	12.3	40.98	24473.9	423.1	884.4</								