

Year	Vegetation Community	CO ₂ Treatment	Temperature Treatment (°C)	Aboveground NPP (g m ⁻²)	Belowground NPP (g m ⁻²)	Total NPP (g m ⁻²)	Root-to-shoot Ratio	Plant N (g N m ⁻²)	Porewater NH ₄ ⁺ (μmol NH ₄ L ⁻¹)
2017	C3	ambient	ambient	374.7	48.0	422.8	0.128	372.6	211.9
2017	C3	ambient	ambient	384.9	119.2	504.0	0.310	446.5	242.8
2017	C3	ambient	ambient	341.7	126.1	467.8	0.369	410.1	138.5
2017	C3	elevated	ambient	654.2	143.8	798.0	0.220	766.4	68.4
2017	C3	elevated	ambient	547.8	266.7	814.5	0.487	859.0	72.6
2017	C3	elevated	ambient	371.2	131.1	502.3	0.353	434.4	89.1
2017	C3	ambient	+1.7 °C	356.1	224.1	580.1	0.629	585.6	135.4
2017	C3	ambient	+1.7 °C	417.5	187.9	605.5	0.450	472.2	129.1
2017	C3	ambient	+1.7 °C	188.3	210.5	398.8	1.118	368.1	113.5
2017	C3	ambient	+3.4 °C	348.8	175.0	523.8	0.502	515.5	183.4
2017	C3	ambient	+3.4 °C	426.3	98.3	524.6	0.231	494.3	196.8
2017	C3	ambient	+3.4 °C	301.8	133.9	435.7	0.444	403.9	162.8
2017	C3	ambient	+5.1 °C	521.4	43.8	565.2	0.084	474.6	290.1
2017	C3	ambient	+5.1 °C	385.2	95.9	481.1	0.249	433.9	188.6
2017	C3	ambient	+5.1 °C	531.9	125.3	657.2	0.236	570.7	173.1
2017	C3	elevated	+5.1 °C	488.2	213.6	701.7	0.437	642.4	91.1
2017	C3	elevated	+5.1 °C	534.6	276.5	811.1	0.517	713.0	190.6
2017	C3	elevated	+5.1 °C	369.4	268.2	637.6	0.726	537.8	175.2
2017	C4	ambient	ambient	447.5	87.4	534.9	0.195		233.8
2017	C4	ambient	ambient	416.4	140.9	557.3	0.338		278.5
2017	C4	ambient	ambient	269.4	88.3	357.7	0.328		279.1
2017	C4	ambient	+1.7 °C	237.1	138.0	375.1	0.582		283.9
2017	C4	ambient	+1.7 °C	376.4	155.7	532.1	0.414		296
2017	C4	ambient	+1.7 °C	241.4	113.1	354.5	0.468		186.2
2017	C4	ambient	+3.4 °C	354.8	72.8	427.6	0.205		214.1
2017	C4	ambient	+3.4 °C	232.4	96.9	329.4	0.417		217.7
2017	C4	ambient	+3.4 °C	282.1	106.6	388.7	0.378		194.2
2017	C4	ambient	+5.1 °C	260.3	95.9	356.2	0.368		164.9
2017	C4	ambient	+5.1 °C	249.6	102.5	352.1	0.411		295.5
2017	C4	ambient	+5.1 °C	188.6	91.3	279.9	0.484		195

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2018	C3	ambient	ambient	501.8	38.2	540.0	0.076		143.3
2018	C3	ambient	ambient	558.1	57.9	616.0	0.104		259.6
2018	C3	ambient	ambient	381.6	40.9	422.5	0.107		60.1
2018	C3	elevated	ambient	558.9	91.3	650.2	0.163		15.2
2018	C3	elevated	ambient	415.4	142.3	557.6	0.342		84.6
2018	C3	elevated	ambient	525.9	92.0	617.9	0.175		27.6
2018	C3	ambient	+1.7 °C	444.1	148.7	592.8	0.335		80.4
2018	C3	ambient	+1.7 °C	633.0	21.9	654.9	0.035		140.5
2018	C3	ambient	+1.7 °C	472.7	116.3	589.0	0.246		84.4
2018	C3	ambient	+3.4 °C	642.4	73.1	715.5	0.114		272.1
2018	C3	ambient	+3.4 °C	480.7	37.2	517.9	0.077		236.1
2018	C3	ambient	+3.4 °C	586.1	54.3	640.4	0.093		155.1
2018	C3	ambient	+5.1 °C	518.8	37.2	556.0	0.072		404.4
2018	C3	ambient	+5.1 °C	603.8	104.2	708.1	0.173		150.9
2018	C3	ambient	+5.1 °C	565.7	39.4	605.1	0.070		200.7
2018	C3	elevated	+5.1 °C	571.7	158.7	730.4	0.278		342.3
2018	C3	elevated	+5.1 °C	585.4	93.7	679.1	0.160		176.1
2018	C3	elevated	+5.1 °C	591.2	81.8	673.0	0.138		262.1
2018	C4	ambient	ambient	534.8	115.4	650.2	0.216		263.9
2018	C4	ambient	ambient	500.0	137.8	637.9	0.276		334.2
2018	C4	ambient	ambient	441.6	187.4	629.0	0.424		397.3
2018	C4	ambient	+1.7 °C	619.6	74.4	693.9	0.120		304.8
2018	C4	ambient	+1.7 °C	384.5	192.3	576.8	0.500		346.5
2018	C4	ambient	+1.7 °C	844.0	136.5	980.5	0.162		324.1
2018	C4	ambient	+3.4 °C	445.7	145.0	590.7	0.325		212.7
2018	C4	ambient	+3.4 °C	626.7	136.2	762.9	0.217		357.9
2018	C4	ambient	+3.4 °C	359.8	195.4	555.2	0.543		278
2018	C4	ambient	+5.1 °C	688.2	124.3	812.5	0.181		195.1
2018	C4	ambient	+5.1 °C	481.1	168.6	649.7	0.350		353.3
2018	C4	ambient	+5.1 °C	537.0	106.4	643.5	0.198		287.9