

Table.xxx BRMS model outputs: Specific leaf area of northern garden, northern source, southern garden, southern source willows. Model structure per species: (log(SLA) ~ population + (1|year)). Model output back-transformed in the table below.

| | Estimate | Lower 95% CI (log) | Upper 95% CI (log) | Rhat | Bulk Effective Sample Size | Tail Effective Sample Size | Effect | Sample Size | Species | Lower 95% CI (back transformed) | Upper 95% CI (back transformed) | Estimate transformed |
|---------------------|----------|--------------------|--------------------|------|----------------------------|----------------------------|----------|-------------|--------------------|---------------------------------|---------------------------------|----------------------|
| Intercept | 2.70 | 2.54 | 2.85 | 1.00 | 2027.38 | 2245.91 | fixed | 130 | Salix richardsonii | 12.62 | 17.22 | 14.94 |
| populationN.Source | 2.46 | 2.12 | 2.81 | 1.00 | 2076.37 | 2866.74 | fixed | 130 | Salix richardsonii | 8.35 | 16.56 | 11.74 |
| populationS.Source | 2.75 | 2.45 | 3.04 | 1.00 | 2754.35 | 2891.29 | fixed | 130 | Salix richardsonii | 11.61 | 20.83 | 15.67 |
| populationS.Garden | 2.57 | 2.28 | 2.84 | 1.00 | 4370.98 | 3823.64 | fixed | 130 | Salix richardsonii | 9.80 | 17.18 | 13.13 |
| year | 0.10 | 0.00 | 0.31 | 1.00 | 1032.51 | 1313.23 | random | 130 | Salix richardsonii | 1.00 | 1.37 | 1.10 |
| sigma | 0.21 | 0.19 | 0.24 | 1.00 | 5221.91 | 3930.19 | residual | 130 | Salix richardsonii | 1.21 | 1.28 | 1.24 |
| Intercept1 | 2.74 | 2.62 | 2.85 | 1.00 | 1856.63 | 2019.34 | fixed | 117 | Salix pulchra | 13.67 | 17.21 | 15.43 |
| populationN.Source1 | 2.32 | 2.06 | 2.58 | 1.00 | 2462.57 | 3137.78 | fixed | 117 | Salix pulchra | 7.88 | 13.18 | 10.20 |
| populationS.Source1 | 2.75 | 2.49 | 2.99 | 1.00 | 2587.09 | 3275.24 | fixed | 117 | Salix pulchra | 12.12 | 19.83 | 15.60 |
| populationS.Garden1 | 2.55 | 2.32 | 2.78 | 1.00 | 3382.48 | 3524.00 | fixed | 117 | Salix pulchra | 10.13 | 16.04 | 12.84 |
| year1 | 0.05 | 0.00 | 0.19 | 1.00 | 1577.13 | 2429.26 | random | 117 | Salix pulchra | 1.00 | 1.21 | 1.05 |
| sigma1 | 0.21 | 0.19 | 0.24 | 1.00 | 5038.32 | 4571.44 | residual | 117 | Salix pulchra | 1.20 | 1.27 | 1.24 |
| Intercept2 | 2.41 | 2.18 | 2.64 | 1.00 | 1541.79 | 1616.46 | fixed | 75 | Salix arctica | 8.82 | 14.03 | 11.12 |
| populationN.Source2 | 0.04 | -0.11 | 0.20 | 1.00 | 2380.27 | 3530.83 | fixed | 75 | Salix arctica | 0.90 | 1.22 | 1.04 |
| populationS.Source2 | 0.18 | 0.04 | 0.32 | 1.00 | 2988.29 | 3750.55 | fixed | 75 | Salix arctica | 1.04 | 1.38 | 1.20 |
| populationS.Garden2 | -0.07 | -0.21 | 0.06 | 1.00 | 3554.83 | 3463.50 | fixed | 75 | Salix arctica | 0.81 | 1.06 | 0.93 |
| year2 | 0.16 | 0.02 | 0.58 | 1.00 | 1147.89 | 1472.18 | random | 75 | Salix arctica | 1.02 | 1.78 | 1.17 |
| sigma2 | 0.17 | 0.14 | 0.20 | 1.00 | 4338.10 | 4111.84 | residual | 75 | Salix arctica | 1.15 | 1.22 | 1.18 |