*Table* *:* Summary of posterior distributions for parameters in the IRT model that are not village- or item-specific.

| Parameter | Mean | SD | P05 | P50 | P95 |
| --- | --- | --- | --- | --- | --- |
|  | -0.766 | 1.009 | -2.522 | -0.673 | 0.698 |
|  | 1.660 | 0.926 | 0.183 | 1.631 | 3.205 |
|  | 0.112 | 0.320 | -0.417 | 0.123 | 0.616 |
|  | 0.557 | 0.975 | -1.069 | 0.561 | 2.146 |
|  | 2.557 | 1.007 | 0.971 | 2.534 | 4.237 |
|  | 1.357 | 1.034 | -0.309 | 1.337 | 3.087 |
|  | 2.253 | 1.086 | 0.490 | 2.235 | 4.061 |
|  | 2.200 | 0.663 | 1.308 | 2.106 | 3.436 |
|  | 0.219 | 0.279 | 0.011 | 0.129 | 0.835 |
|  | 1.000 | 0.000 | 1.000 | 1.000 | 1.000 |
|  | 1.000 | 0.000 | 1.000 | 1.000 | 1.000 |
|  | -0.122 | 0.530 | -0.899 | -0.182 | 0.816 |
|  | 0.525 | 0.346 | -0.139 | 0.594 | 0.957 |
| 'P' refers to percentile. | | | | | |

*Table* *:* Summary of posterior distributions for parameters in the regression for bare ground cover.

| Parameter | Mean | SD | P05 | P50 | P95 |
| --- | --- | --- | --- | --- | --- |
|  | -0.114 | 0.190 | -0.410 | -0.116 | 0.187 |
|  | 1.027 | 0.131 | 0.820 | 1.028 | 1.232 |
|  | -0.058 | 0.058 | -0.148 | -0.058 | 0.033 |
|  | 0.073 | 0.106 | -0.096 | 0.074 | 0.238 |
|  | -0.154 | 0.157 | -0.355 | -0.177 | 0.159 |
|  | 0.094 | 0.064 | 0.014 | 0.085 | 0.206 |
| 'P' refers to percentile. | | | | | |