1. Dependent variable that was applied in boosted regression trees (BRT) model in Source data

|  |  |  |
| --- | --- | --- |
| **Variable** | **Abbreviation** | **Unit** |
| Stemflow percentage | Stemflow | % |

2. Independent variables that were applied in BRT model in Source data

|  |  |  |
| --- | --- | --- |
| **Variable** | **Abbreviation** | **Unit** |
| Mean annual precipitation | MAP | mm |
| Mean annual temperature | MAT | °C |
| Stand density | Density | trees ha-1 |
| Stand height | Height | m |
| Stand age | Age | year |
| Leaf area index | LAI | Dimensionless |
| Basal area | BA | m2 ha-1 |
| Diameter at breast height | DBH | cm |
| Life form(Tree, Shrub) | LF(Tree, Shrub) | NA |
| Bark type(smooth, rough, mixed) | Bark(S, R, M) | NA |
| Phenology type (deciduous, evergreen, mixed) | Phenology(D, E, M) | NA |
| Leaf type (broad, needle, mixed) | Leaf (B, N, M) | NA |