

| Data table metadata | | | | | | |
|------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------|-----------------|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| File name | Trait_data.csv | | | | | |
| Case sensitive? | Yes | | | | | |
| Number of records | 304 | | | | | |
| Orientation | The data are arranged with major variables in columns. | | | | | |
| Data table structure and attribute description | | | | | | |
| Attribute name | Label | Definition | Unit | Type | Usage | Attribute description |
| <i>Genus</i> | Genus | | | | | |
| <i>Species</i> | Species | | | | | |
| <i>Status</i> | Origin | Whether the species is native or exotic | | Categorical | | "N" = native; "NIS" = exotic |
| <i>Invasive</i> | Invasion classification | Is it classified as invasive by the Invasive Species Council of British Columbia | | Binary | | 0 = no; 1 = yes |
| <i>Code</i> | Species code | Matches site and quadrat data | | String | | |
| <i>Group</i> | Functional group | Group designation as created by classification analysis | | Integer | | Cross reference with Supplementary Material 3 for functional group interpretations |
| <i>Growth.F</i> | Growth form | As per Pérez-Harguindeguy <i>et al.</i> 2013 | | Categorical | | "Rose" = herbaceous rosette; "ELR" = herbaceous rhizomatous; "ESH" = stemmed herb; "Tussock"; "Scrambler"; "Succulent"; "Bamb" = bambusoid; "Shrub"; "ExT" = excurrent tree; "DeT" = deliquescent tree; "Parasite"; "Cushion"; "Lithophyte"; "Vine"; "Woody vine" |
| <i>Life.Hist</i> | Life history | | | Categorical | | Annual, biennial, herbaceous monocarpic perennial, herbaceous polycarpic perennial, woody perennial |
| <i>Raunkiaer</i> | Raunkiaer life form | | | Categorical | | Geophyte, phanerophyte, therophyte, hemicryptophyte, epiphyte |
| <i>Leaf.Size</i> | | length x width | cm ² | Double | | |
| <i>Height</i> | | Aaverage maximum height | cm | Double | | |
| <i>Growth.Season</i> | | Season growth starts | | Ordinal | | 1 = spring; 2 = summer; 3 = autumn; 4 = winter |
| <i>Growth.Length</i> | Growing season length | Number of seasons over which species is known to grow | | Integer | | 1 - 4 |
| <i>Evergreen</i> | | | | Binary | | 0 = no; 1 = yes |
| <i>Nfix</i> | Nitrogen fixing | | | Binary | | 0 = no; 1 = yes |

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|----------------------|------------------------|------------------------------------------------------------------------------------------------------|----------|---------|---------------------------------------------------|
| <i>Palat</i> | Palatability | | | Ordinal | 1 = low; 2 = medium; 3 = high |
| <i>Hermaphrodite</i> | | | | Binary | 0 = no; 1 = yes |
| <i>Clonal</i> | | Is a major reproductive strategy through vegetative reproduction? | | Binary | 0 = no; 1 = yes |
| <i>Defence</i> | | Is there some mechanism of grazing defense? Either chemical (e.g. toxins) or physical (e.g. thorns)? | | Binary | 0 = no; 1 = yes |
| <i>Wind</i> | Pollination syndrome | | | Binary | 0 = no; 1 = yes |
| <i>Insect</i> | Pollination syndrome | | | Binary | 0 = no; 1 = yes |
| <i>Animal</i> | Pollination syndrome | | | Binary | 0 = no; 1 = yes |
| <i>Self</i> | Pollination syndrome | | | Binary | 0 = no; 1 = yes |
| <i>Wind</i> | Dispersal method | | | Binary | 0 = no; 1 = yes |
| <i>Water</i> | Dispersal method | | | Binary | 0 = no; 1 = yes |
| <i>Animal</i> | Dispersal method | | | Binary | 0 = no; 1 = yes |
| <i>Explosive</i> | Dispersal method | | | Binary | 0 = no; 1 = yes |
| <i>None</i> | Dispersal method | If yes, then this implies gravity is main dispersal method | | Binary | 0 = no; 1 = yes |
| <i>G.Rate</i> | Growth rate | | | Ordinal | 1 = slow; 2 = moderate; 3 = rapid |
| <i>Precip.Env</i> | Precipitation envelope | Range maximum – range minimum | cm | Double | Drawn from Calflora, NOT independently calculated |
| <i>Drought</i> | Drought tolerance | | | Ordinal | 1 = low; 2 = medium; 3 = high |
| <i>Shade</i> | Shade tolerance | | | Ordinal | 1 = low; 2 = medium; 3 = high |
| <i>Root.D</i> | Minimum root depth | | cm | Double | |
| <i>Seed.W</i> | Seed weight | | seeds/lb | Double | |