**data homogenization processing summary and QC check results: nwt_greenLakes1982_profile-FeAl**

**notes included with key file:**

| source | Var_long | var | var_notes |
|---|---|---|---|
| location | Google Directory | | nwt_greenLakes1982_profile-FeAl |
| location | Network (e.g. LTER, CZO, DIRT, NutNet, etc) | network | LTER |
| location | Site code (e.g. LUQ) or name | site_code | NWT |
| location | Location name | location_name | Green Lakes Valley |
| profile | Bulk Layer OM (Walkley Balck) | lyr_som_WalkleyBlack | The Walkley-Black procedure was used to determine oxidizable organic carbon and then multiplied by 1.30 to obtain total organic carbon |

**files processed:**

| type | filename |
|---|---|
| provided data | glv_soilprog.il.data.csv |
| homogenized data | glv_soilprog_HMGZD |

**variable conversion**

| source | var | Var_long | given_unit | target_unit | factor | varNotes |
|---|---|---|---|---|---|---|
| profile | Ca | Calcium | mmol kg-1 | meq 100g-1 | 10 | converted |
| profile | Mg | Magnesium | mmol kg-1 | meq 100g-1 | 10 | converted |
| profile | K | Posassium | mmol kg-1 | meq 100g-1 | 10 | converted |
| profile | Na | Sodium | mmol kg-1 | meq 100g-1 | 10 | converted |
| location | map | Mean Annual Precipitation | mm | mm | | NOT converted |
| profile | coarse_frac | Coarse Fraction | % | percent | | NOT converted |
| profile | lyr_som_WalkleyBlack | Bulk Layer OM (Walkley Balck) | % | percent | | NOT converted |
| profile | layer_bot | Layer Bottom | cm | cm | | NOT converted |
| profile | layer_top | Layer Top | cm | cm | | NOT converted |

**QC results: location data**

```
location data checks passed
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**QC results: profile data, data range**

| var | min | max | minValue | maxValue | error |
|-----|-----|-----|----------|----------|-------|
| bd_tot | 0.9 | 2.9 | 0.1 | 2 | out of range |

**QC results: profile data, data type**

profile data type checks passed