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1. Runoff

Runoff potential class for the soil:

|  |  |
| --- | --- |
| Original value | New value |
| Null | -1 |
| Negligible | 1 |
| Very low | 2 |
| Low | 3 |
| Medium | 4 |
| High | 5 |
| Very high | 6 |

2. Frosting Rate

Column Label: Frost Action

An interpretation rating of the susceptibility of the soil to frost heaving.

|  |  |
| --- | --- |
| Original value | New value |
| Null | -1 |
| None | 0 |
| Low | 1 |
| Moderate | 2 |
| High | 3 |

3. Dominant flooding frequency

Column Label: Flooding Frequency - Dominant Condition

The annual probability of a flood event expressed as a class. This column displays the dominant flood frequency class for the map unit, based on composition percentage of map unit components whose composition in the map unit is equal to or exceeds 15%.

|  |  |
| --- | --- |
| Original value | New value |
| Null | -1 |
| None | 1 |
| Very rare | 2 |
| Rare | 3 |
| Occasional | 4 |
| Frequent | 5 |

4. Bedrock Depth

Column Label: Bedrock Depth – Minimum

The distance from the soil surface to the top of a bedrock layer, expressed as a shallowest depth of components whose composition in the map unit is equal to or exceeds 15%.

Numeric value

5. Annual minimum water table depth

Column Label: Water Table Depth - Annual - Minimum

The shallowest depth to a wet soil layer (water table) at any time during the year expressed as centimeters from the soil surface, for components whose composition in the map unit is equal to or exceeds 15%.

Numeric value

6. Available water storage\_25cm

Column Label: Available Water Storage 0-25 cm - Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 25 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

AWS is calculated from AWC (available water capacity) which is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension, and adjusted for salinity and fragments.

Numeric value

7. Available water storage\_50cm

Column Label: Available Water Storage 0-50 cm - Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 50 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

Numeric value

8. Available water storage\_100cm

Column Label: Available Water Storage 0-100 cm - Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 100 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

Numeric value

9. Available water storage\_150cm

Column Label: Available Water Storage 0-150 cm - Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 150 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

Numeric value