**Introduction**

Permafrost or perennially frozen ground is the uppermost part of the terrestrial soil column that remains at or below freezing temperatures for at least two years. Permafrost is critical to the study of the Earth's climate and its effects on numerous natural processes. It provides a stabilizing effect on the land surface and acts as a barrier to the movement of water and nutrients. The study of permafrost is crucial for understanding the impact of climate change and the development of future land use and infrastructure planning.

**Description of Permafrost Map Units**

- **Continuous (U):** Indicates the area underlain by permafrost. The percentage of the area covered by permafrost is indicated by the symbol.
- **Discontinuous (D):** Indicates the area that is not permafrost but is underlain by permafrost in certain locations. The percentage of the area covered by permafrost is indicated by the symbol.
- **Sporadically Frozen (S):** Indicates the area that is not permafrost but has sporadic freezing conditions. The percentage of the area covered by permafrost is indicated by the symbol.
- **Frosty Soils (Fr):** Indicates the area that is not permafrost but has frosty soil conditions. The percentage of the area covered by permafrost is indicated by the symbol.

Each map unit is accompanied by a percentage of soil moisture relative to dry weight, which ranges from 0% to 100%.

**Symbols**

- **Continuous (U):** Indicates the area underlain by permafrost. The percentage of the area covered by permafrost is indicated by the symbol.
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The symbols are accompanied by a percentage of soil moisture relative to dry weight, which ranges from 0% to 100%.

**References**

