Maps

Dominant Soil Orders in the United States

Dominant Suborders

Alfisols

Andisols

Aridisols

Entisols

Gelisols

Histosols

Inceptisols

Mollisols

Oxisols

Spodosols

Ultisols

Vertisols

Global Soil Regions (To print this map on 8.5 x 11 inch paper, select File, Print, Fit to Page.)

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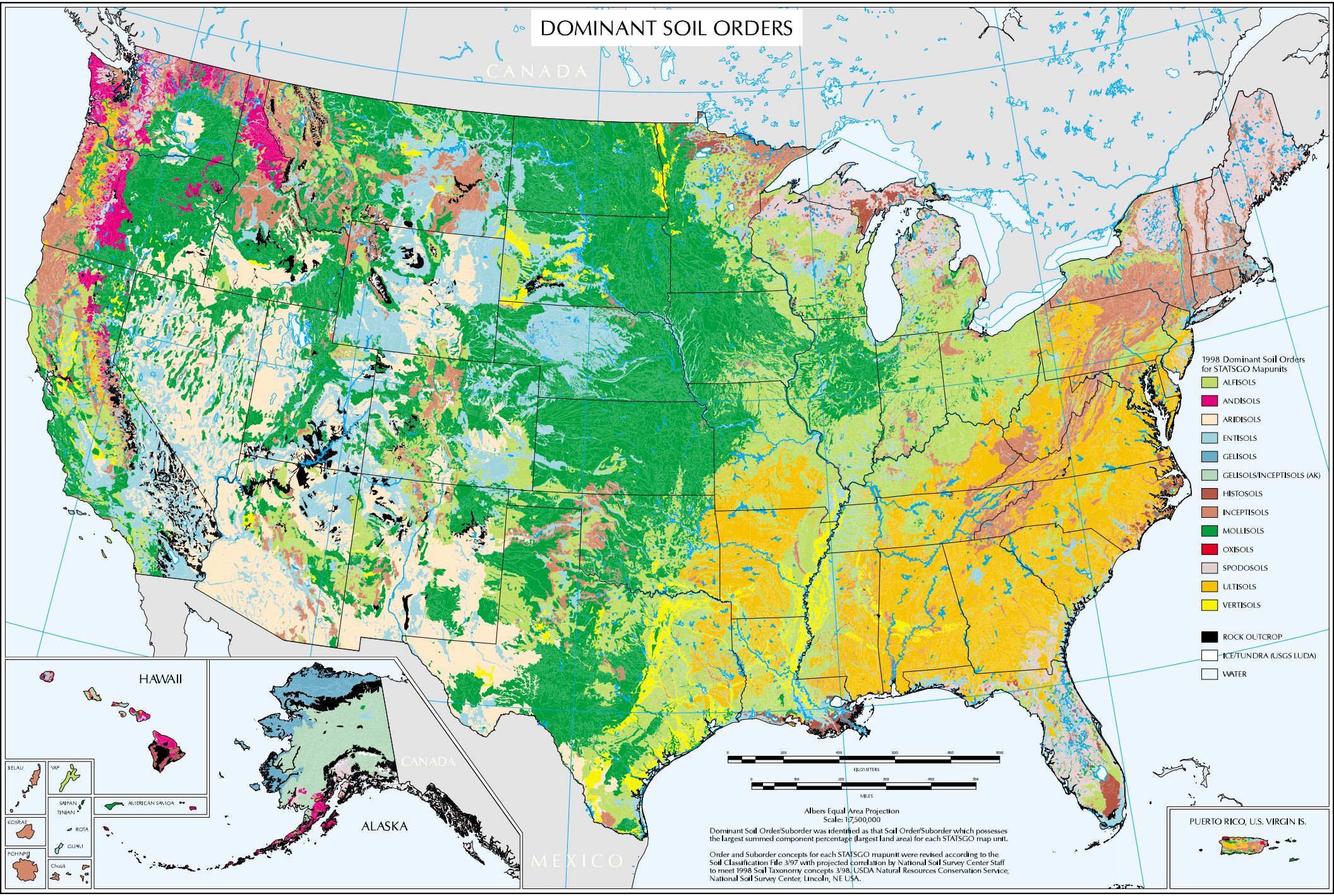
DOMINANT SOIL ORDERS

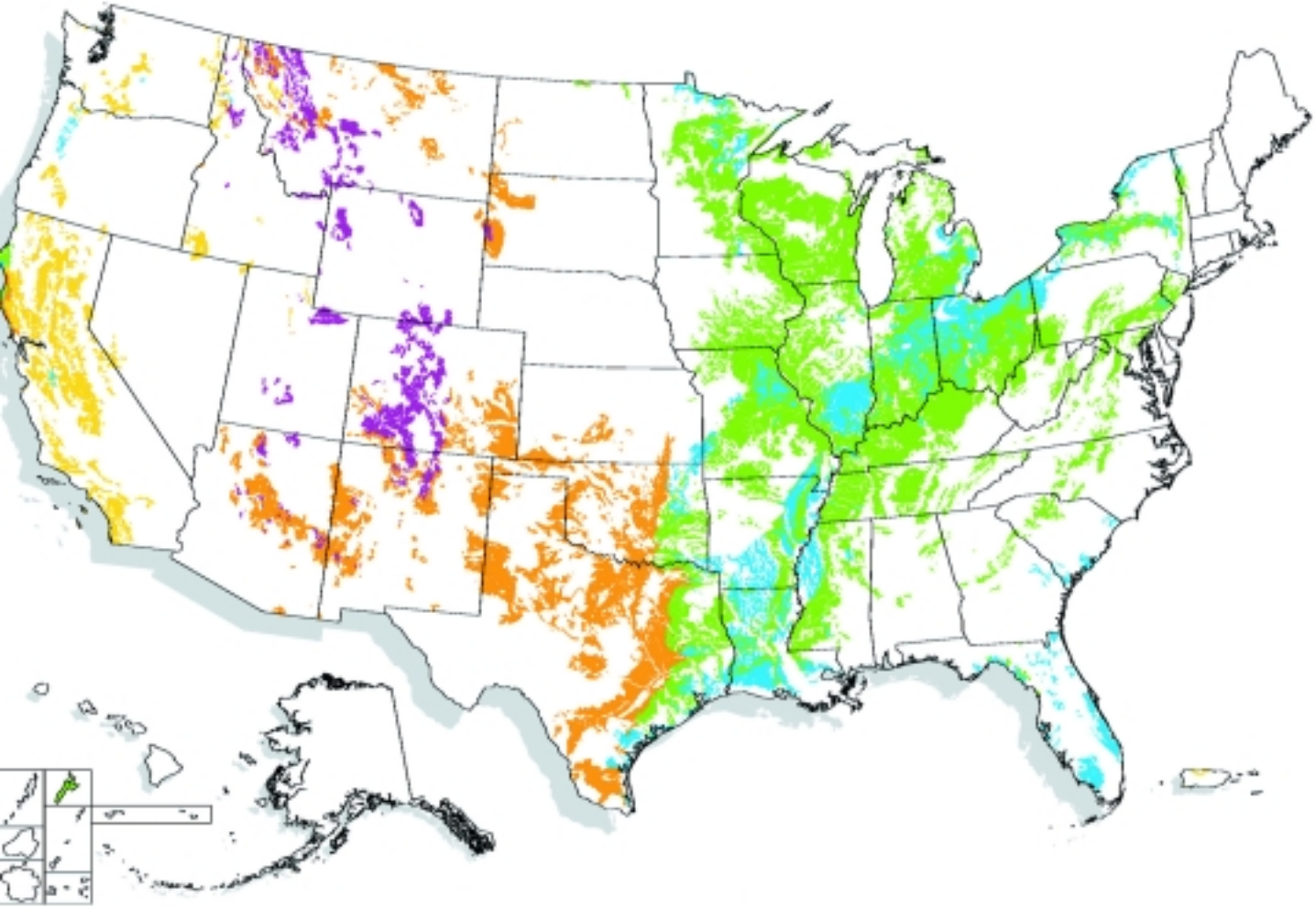


Albers Equal Area Projection
Scale: 1:7,500,000

Dominant Soil Order/Suborder was identified as that Soil Order/Suborder which possesses the largest summed component percentage (largest land area) for each STATSGO map unit.

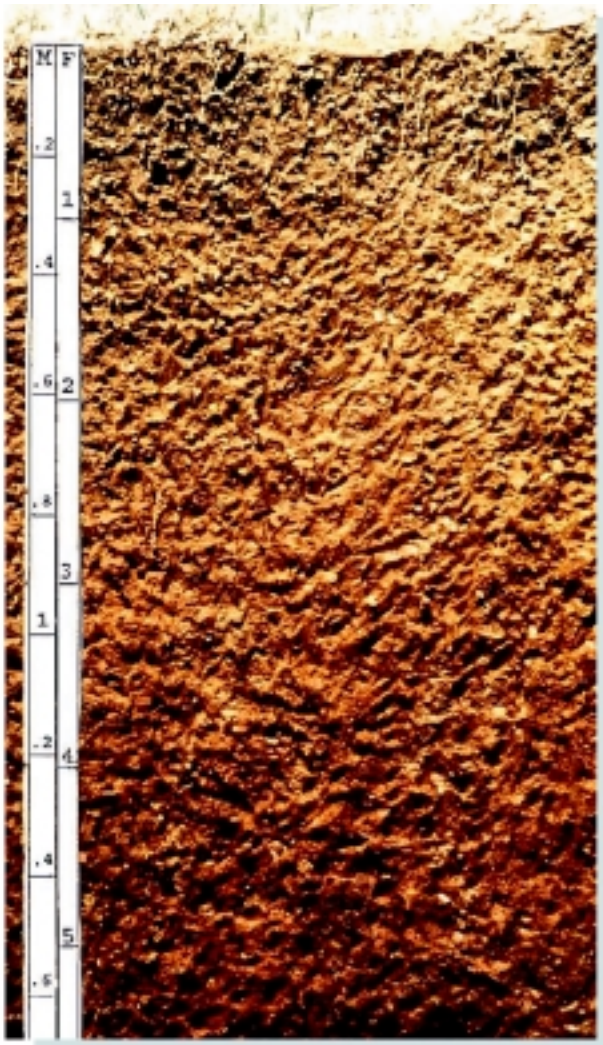
Order and Suborder concepts for each STATSGO mapunit were revised according to the Soil Classification File 3/97 with projected correlation by National Soil Survey Center Staff to meet 1998 Soil Taxonomy concepts 3/98. USDA Natural Resources Conservation Service, National Soil Survey Center, Lincoln, NE USA.

ALFISOLS



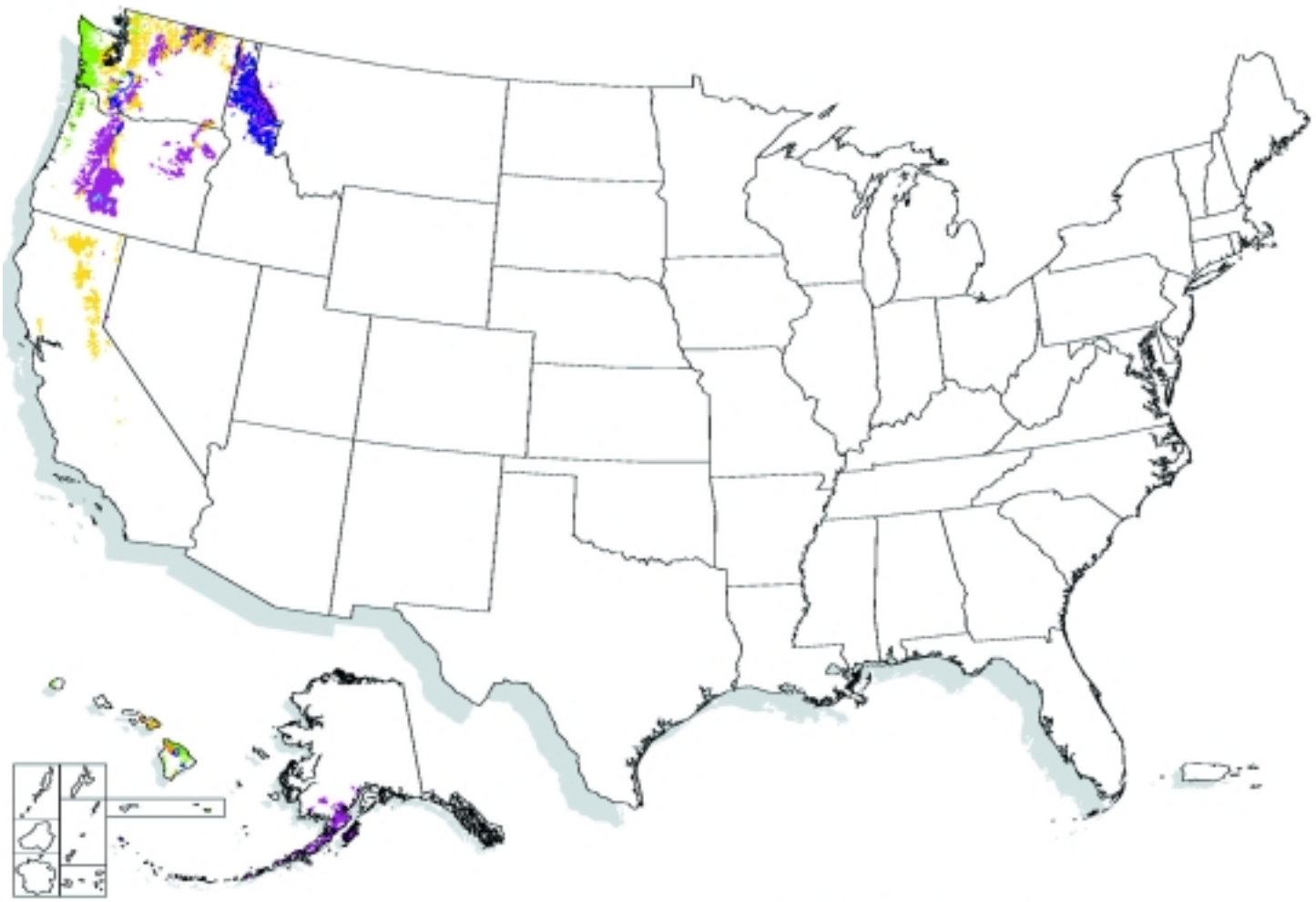
DOMINANT SUBORDERS

- Aqualfs
- Cryalfs
- Udalfs
- Ustalfs
- Xeralfs



Alfisols have an argillic, kandic, or natric horizon and a relatively high content of bases. They typically have an ochric epipedon. Some also have a duripan, a fragipan, or a petrocalcic horizon. Most formed under forest or savanna vegetation.

ANDISOLS

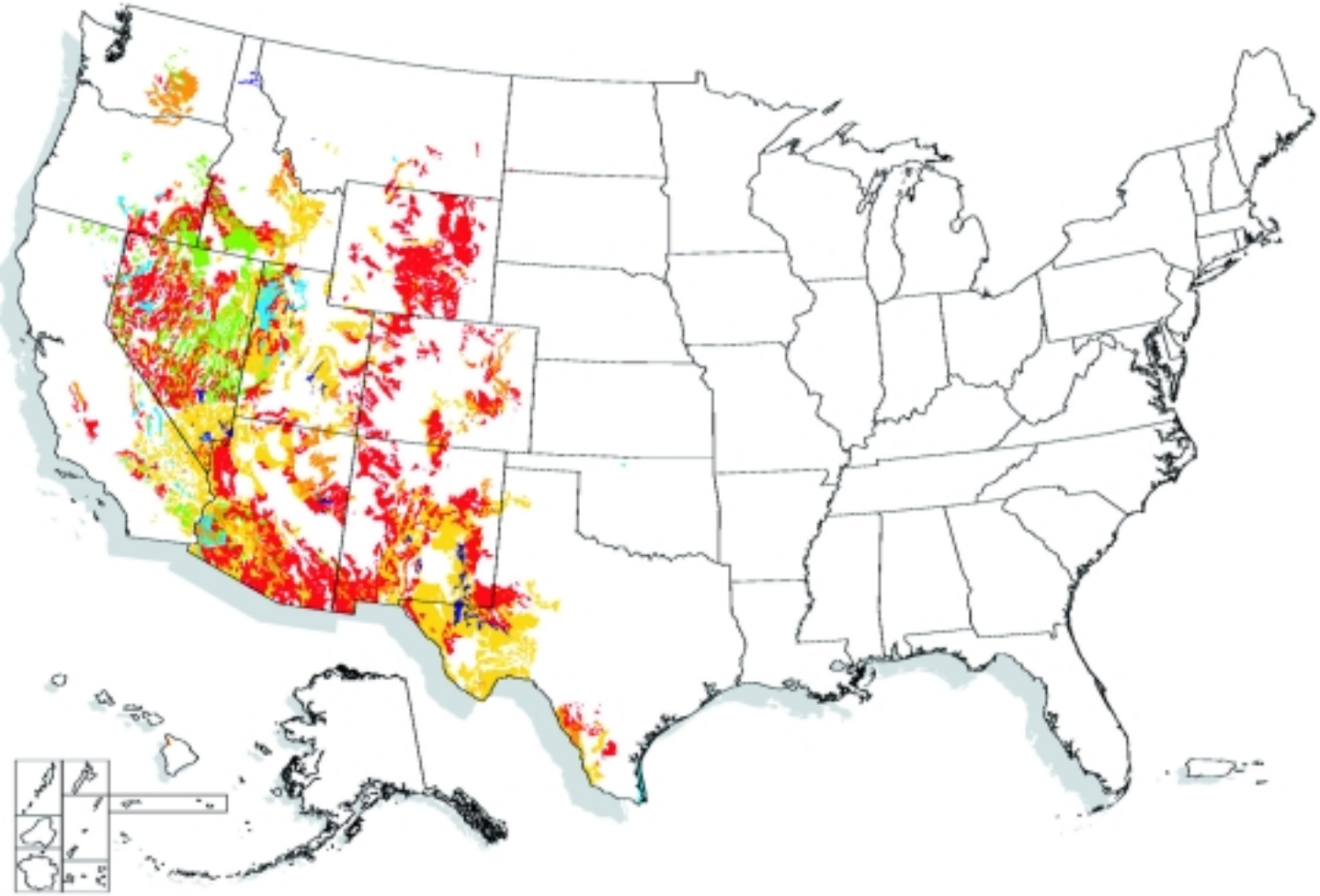


DOMINANT SUBORDERS

Aquands
Udands
Xerands
Cryands
Ustands
Torrands
Vitrands

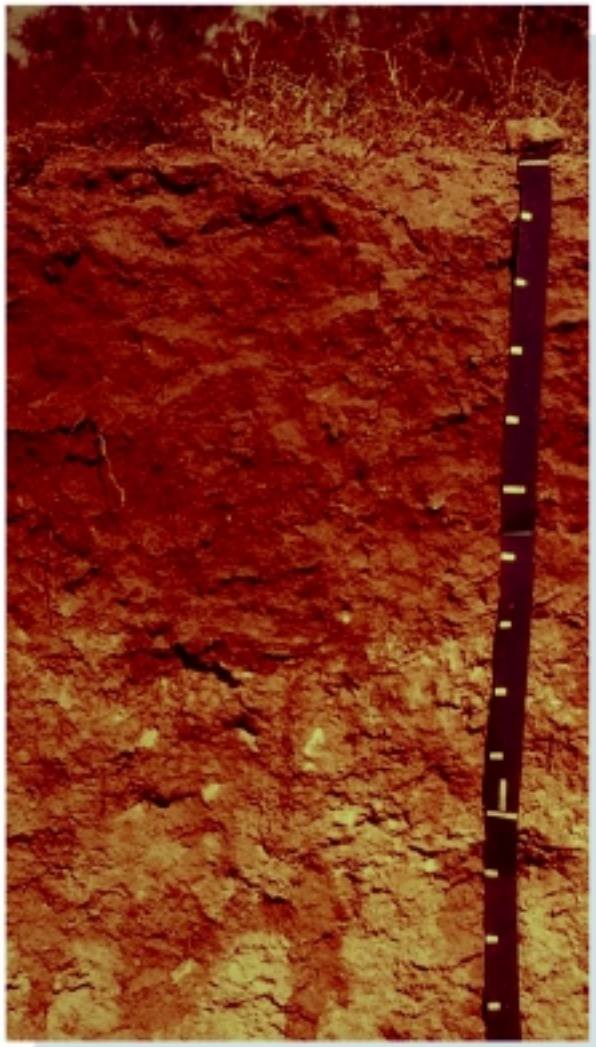
Andisols are dominated by short-range-order minerals or Al-humus complexes, and many have a large content of volcanic materials. The dominant soil-forming process is *in situ* mineral transformation. These soils commonly have a cambic horizon and can have any diagnostic epipedon.

ARIDISOLS



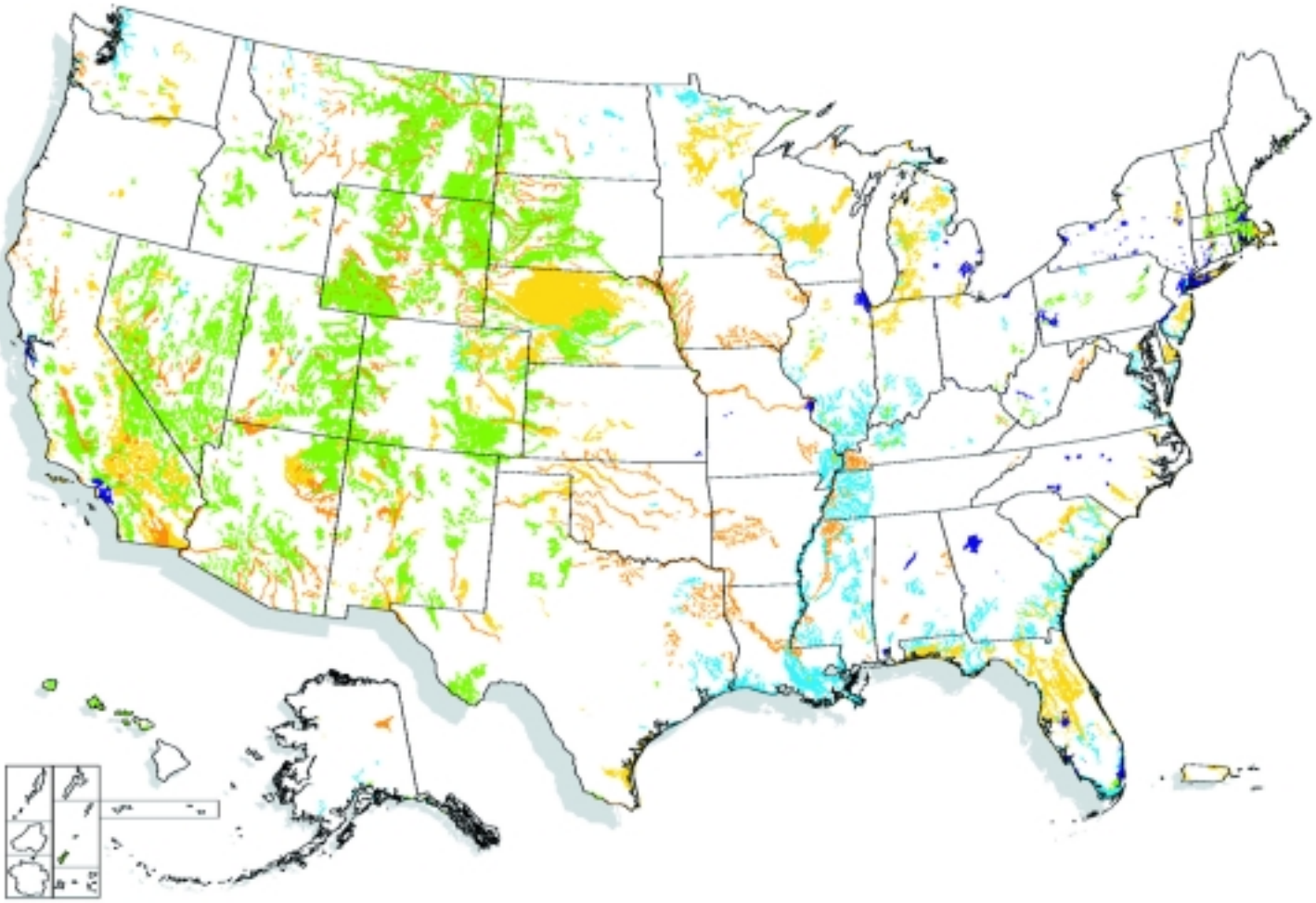
DOMINANT SUBORDERS

- Argids
- Calcids
- Cambids
- Cryids
- Durids
- Gypsids
- Salids



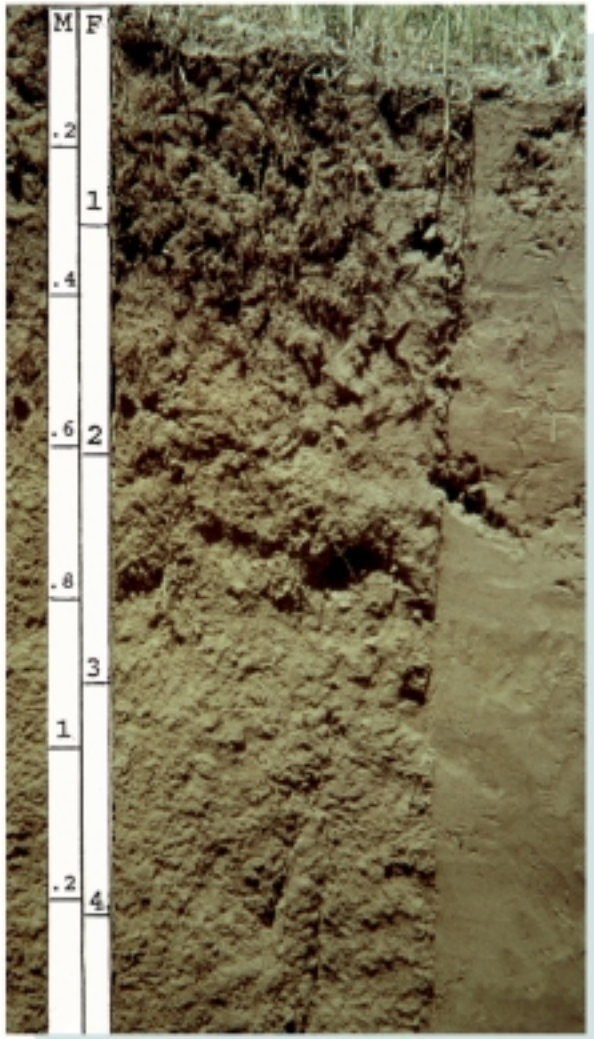
Aridisols have an aridic moisture regime. They also have one or more of the following diagnostic horizons: an argillic, calcic, cambic, gypsic, natric, petrocalcic, petrogypsic, or salic horizon or a duripan. These soils typically have an ochric epipdon.

ENTISOLS



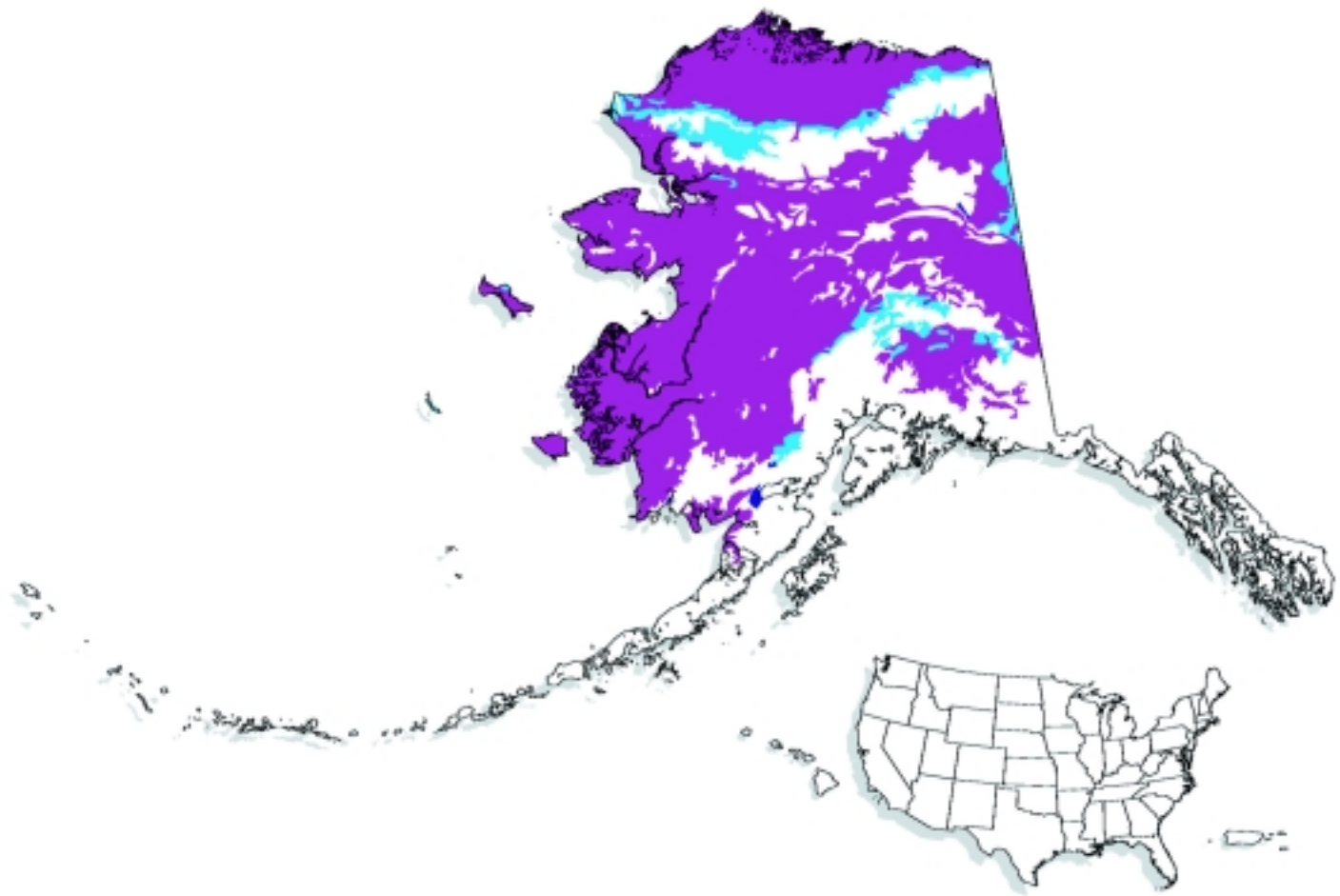
DOMINANT SUBORDERS

- Aquents
- Orthents
- Arents
- Psamments
- Fluvents



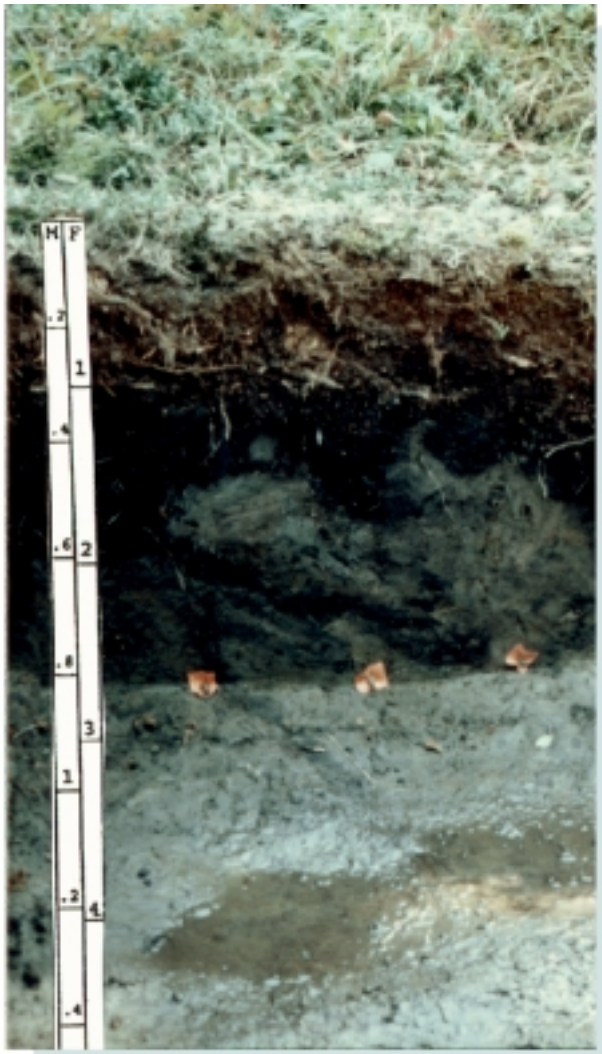
Entisols have little or no evidence of the development of diagnostic horizons. Many have an ochric epipedon. Many are sandy or very shallow.

GELISOLS



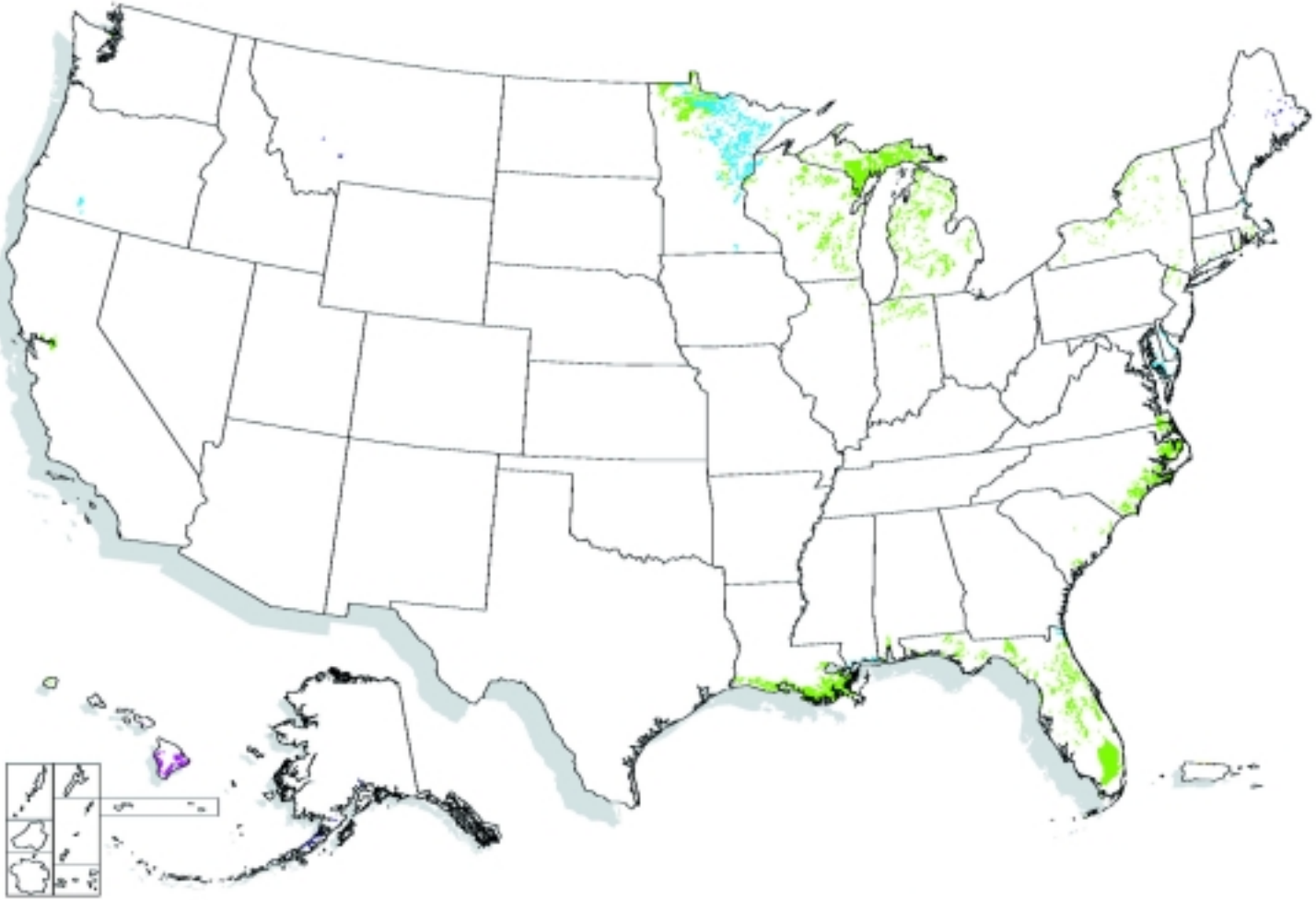
DOMINANT SUBORDERS

- Histels
- Orthels
- Turbels



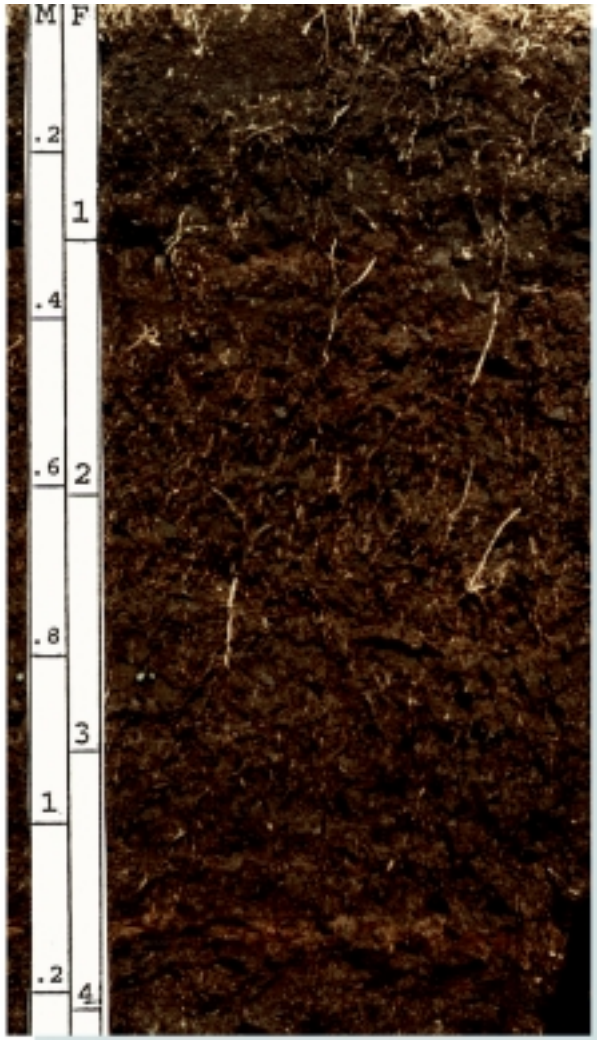
Gelisols have permafrost, and many are cryoturbated. These soils consist of mineral or organic soil materials, or both. They commonly have layers of gelic materials and a histic or ochric epipedon.

HISTOSOLS

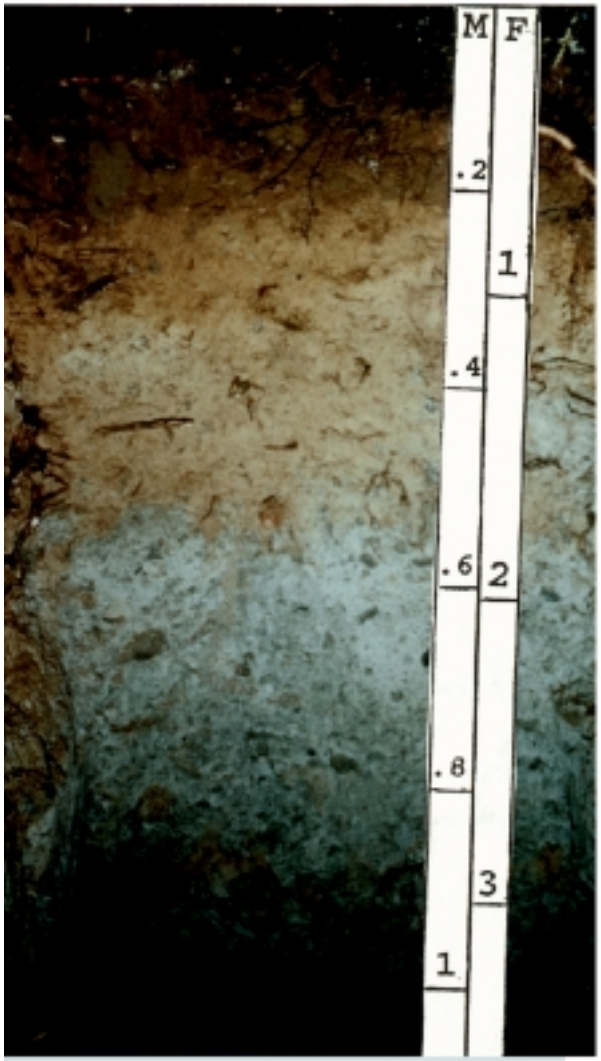


DOMINANT SUBORDERS

- Fibrists
- Saprists
- Folists
- Hemists

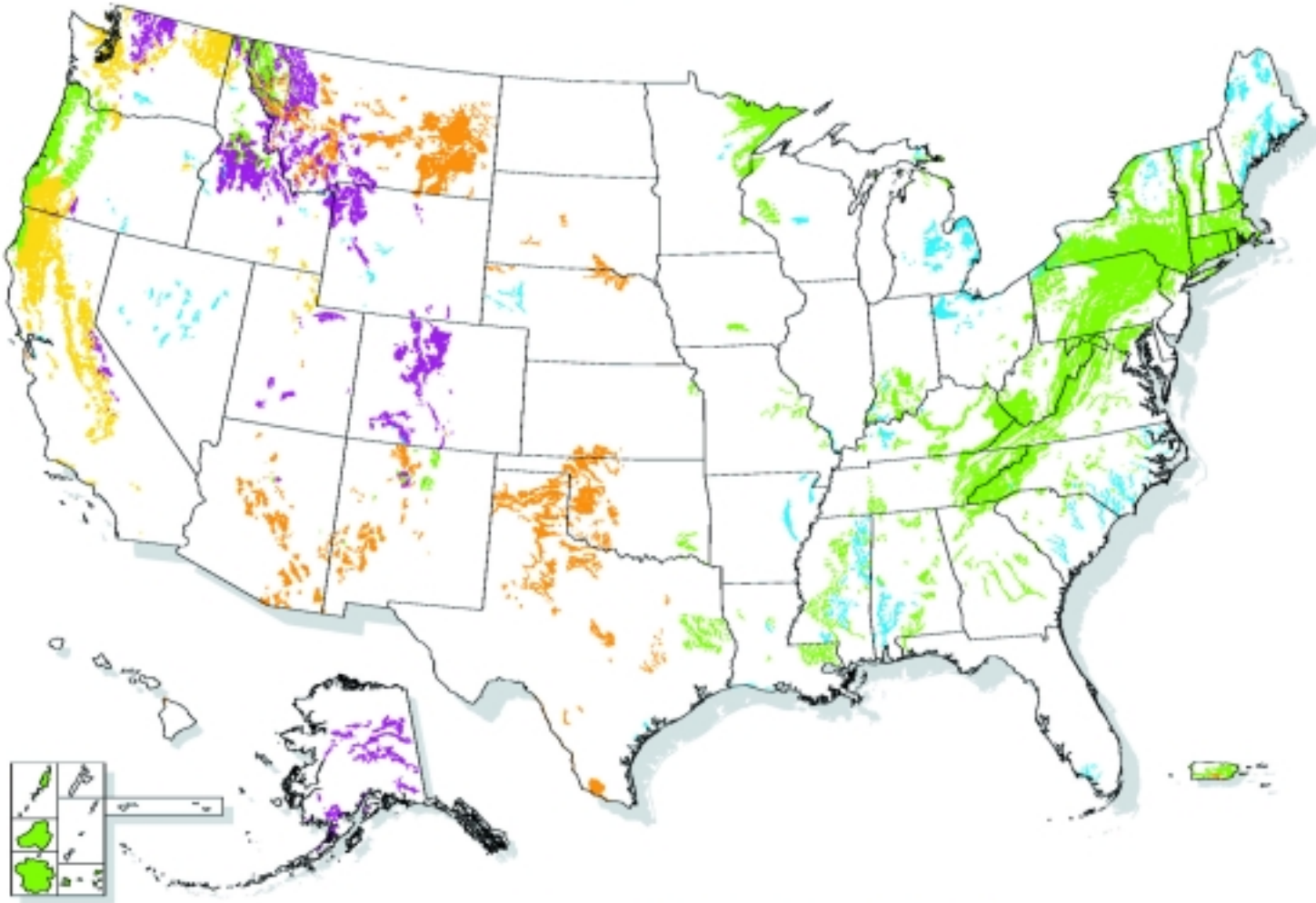


Histosols are dominated by organic soil materials. They are mostly soils commonly called bogs, moors, peats, or mucks. Some consist of a thin layer of organic materials over a root-limiting layer or fragmental materials.



Inceptisols have many kinds of diagnostic horizons but cannot have an argillic, kandic, natric, oxic, or spodic horizon. They commonly have a cambic horizon and an ochric or umbric epipedon.

INCEPTISOLS

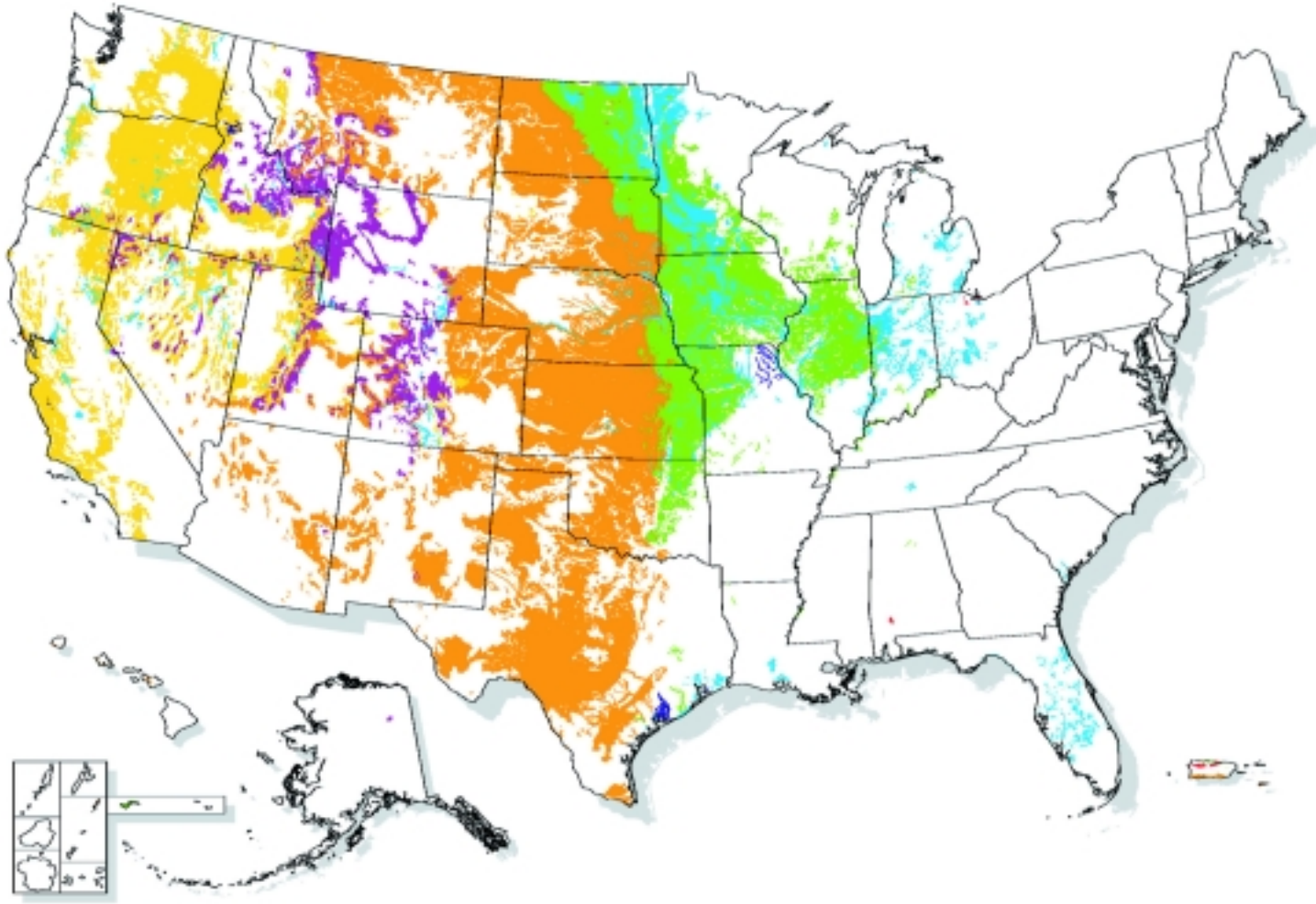


DOMINANT SUBORDERS

- Anthrepts
- Aquepts
- Cryepts
- Udepts
- Ustepts
- Xerepts

Mollisols have a mollic epipedon and a relatively high content of bases. Many also have an argillic, natric, or calcic horizon. Some have a duripan or a petrocalcic horizon. Most formed under grass or savanna vegetation.

MOLLISOLS

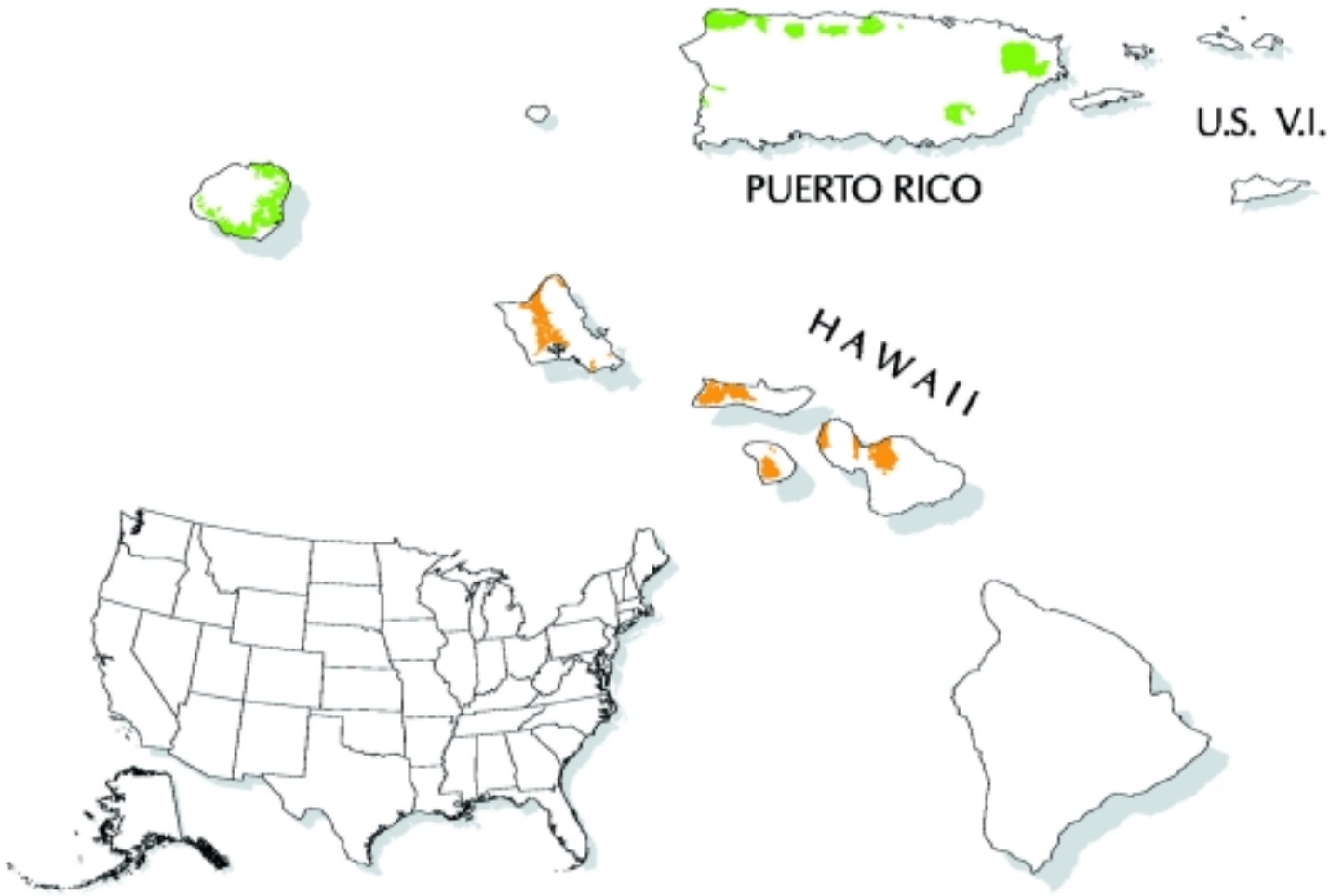


DOMINANT SUBORDERS

- Albolls
- Rendolls
- Xerolls
- Aquolls
- Udolls
- Cryolls
- Ustolls

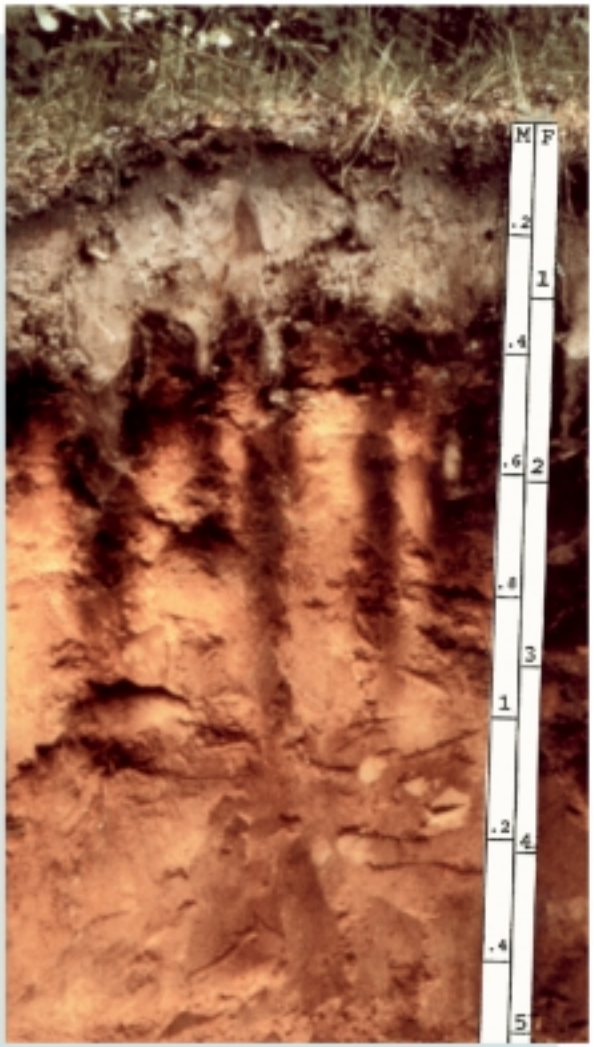
Oxisols have a clay fraction with a low cation-exchange capacity and have very few weatherable minerals. They have an oxic or kandic horizon and commonly have an ochric epipedon. Most formed under tropical forest vegetation.

OXISOLS



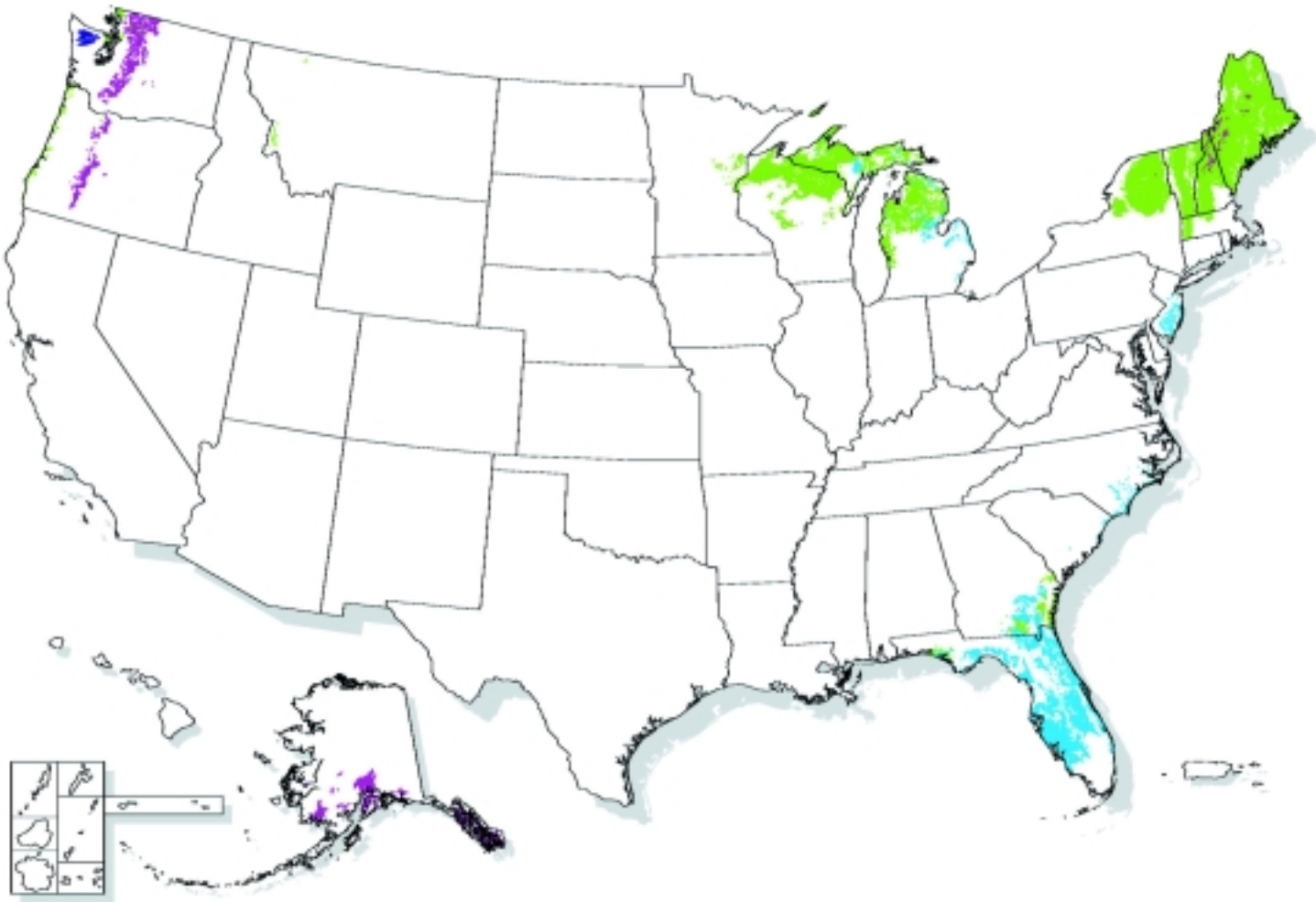
DOMINANT SUBORDERS

- Aquox
- Udox
- Perox
- Ustox
- Torrox



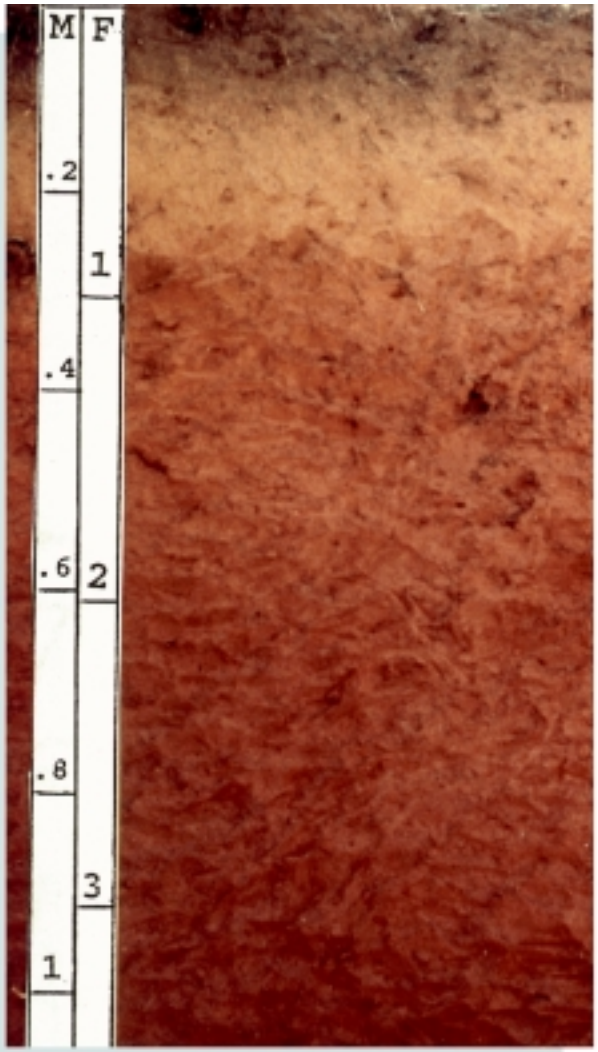
Spodosols have a spodic horizon and commonly an albic horizon and an ochric epipedon. Most formed under forest vegetation. Dominant processes are weathering and translocation of minerals. The colloidal fraction is dominated by Al-humus complexes and short-range-order minerals.

SPODOSOLS



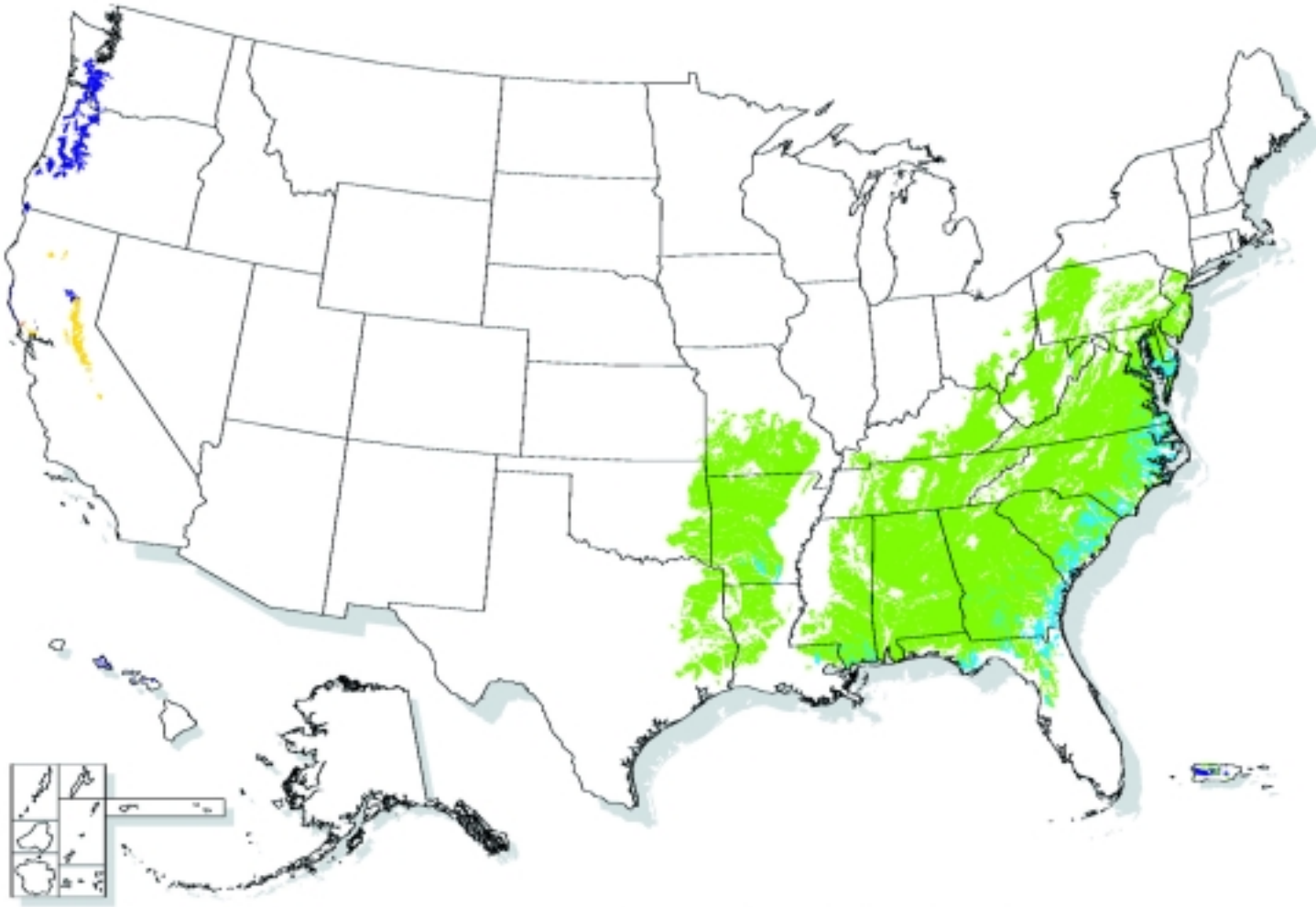
DOMINANT SUBORDERS

- Aquods
- Orthods
- Cryods
- Humods



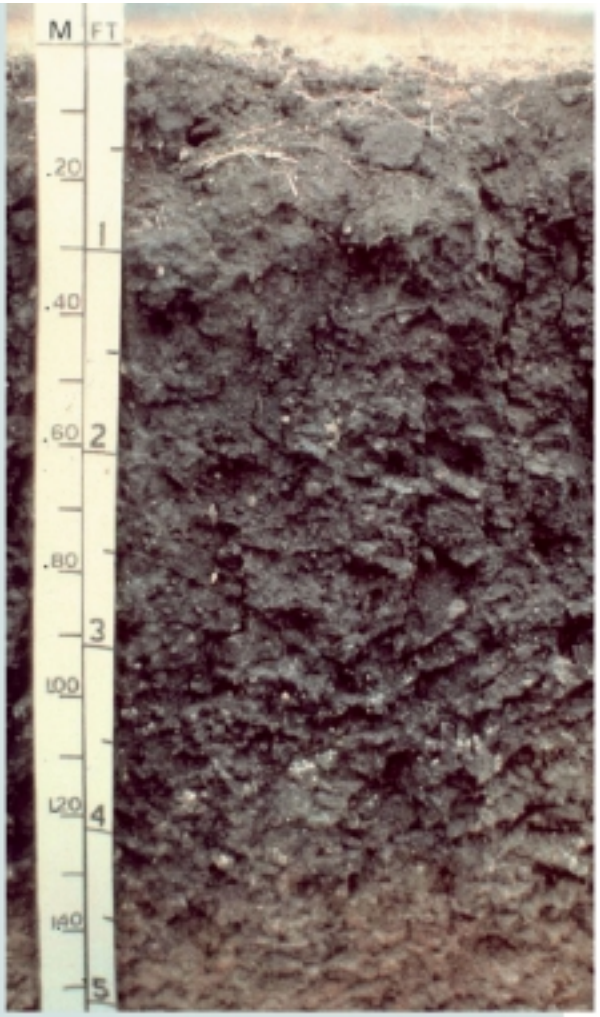
Ultisols have an argillic or kandic horizon and a relatively low content of bases. They typically have an ochric epipdon. Some also have a fragipan. Most formed under forest vegetation.

ULTISOLS



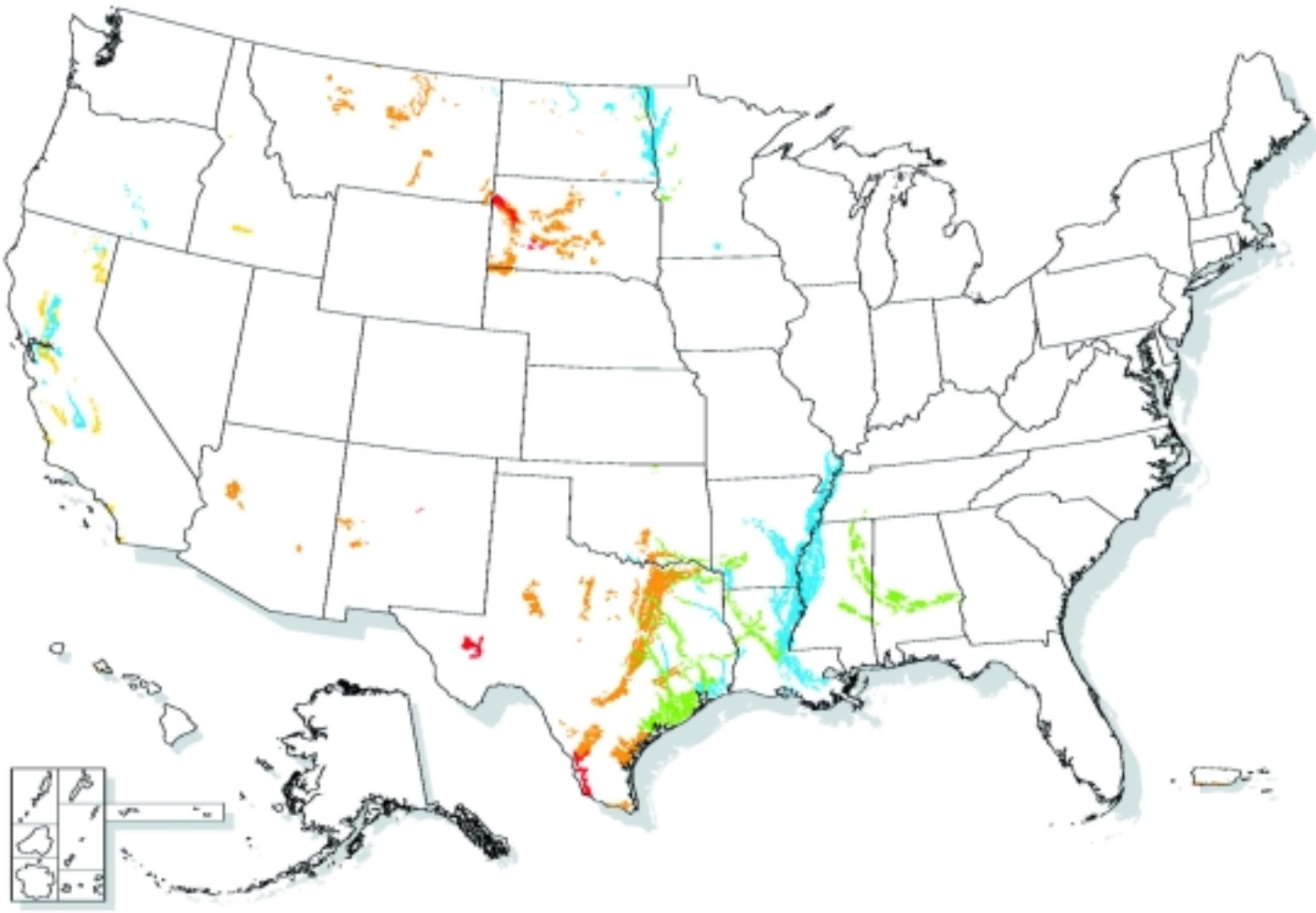
DOMINANT SUBORDERS

- Aquults
- Ustults
- Humults
- Xerults
- Udults



Vertisols are high in expanding clays that shrink when the soils become dry and swell when they become moist. Vertisols commonly have slickensides and develop deep, wide cracks when dry.

VERTISOLS

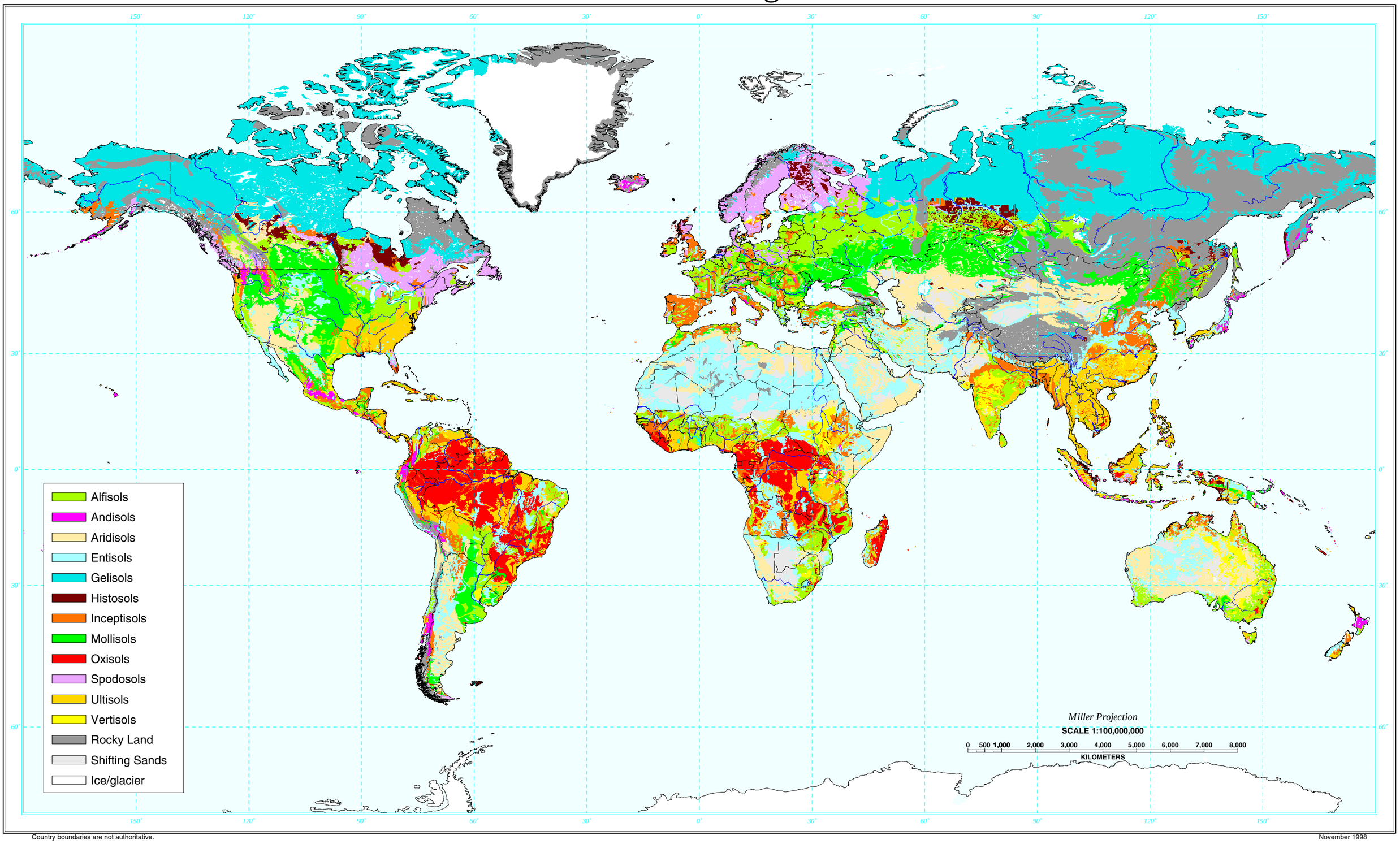


DOMINANT SUBORDERS

- Aquerts
- Cryerts
- Torrerts
- Uderts
- Usterts
- Xererts

U.S. Dept. of Agriculture
Natural Resources Conservation Service
Soil Survey Division
World Soil Resources

Global Soil Regions



Country boundaries are not authoritative.

November 1998