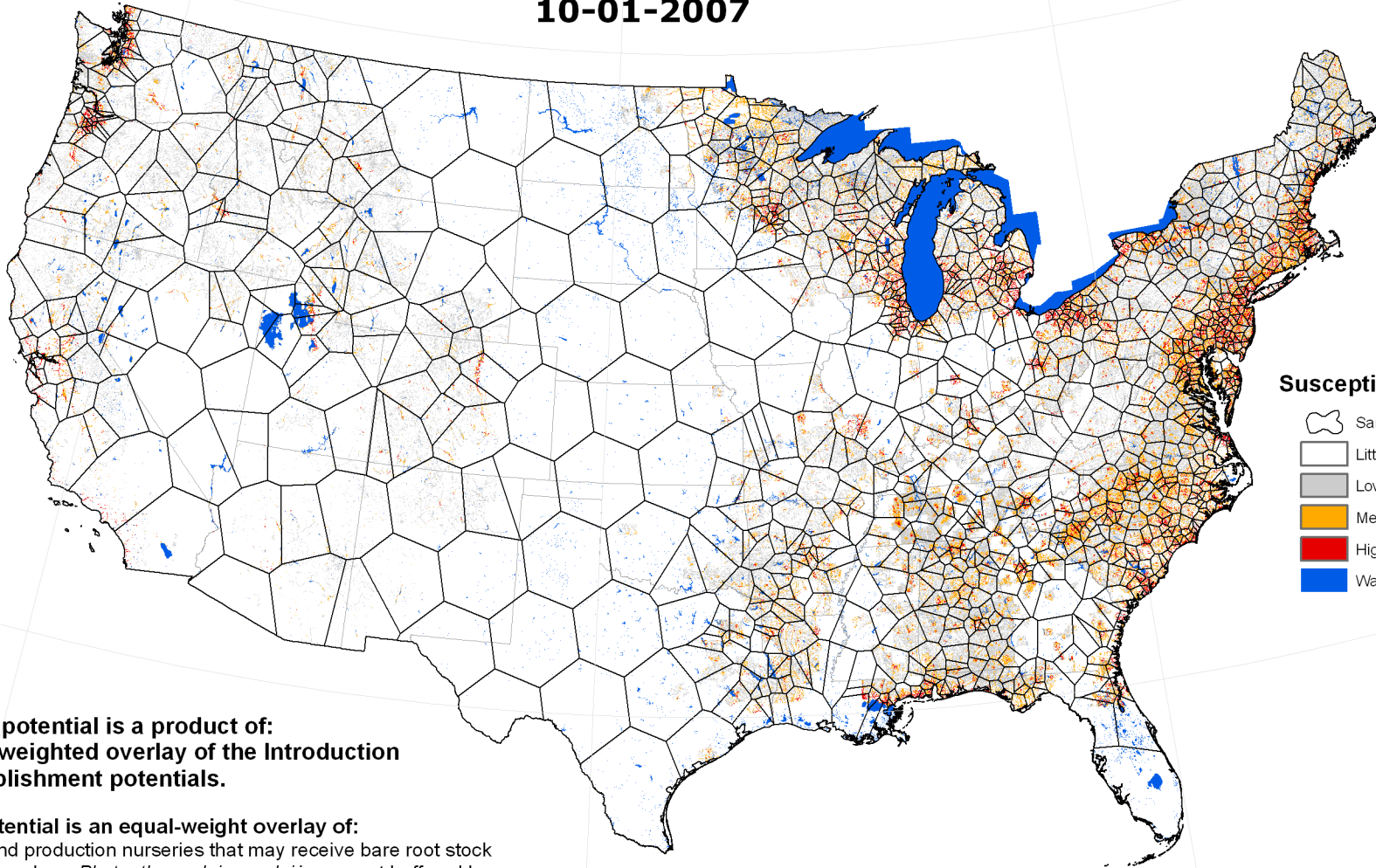
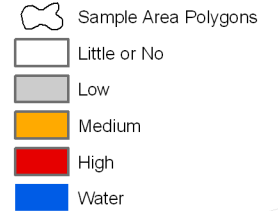


# Survey Sample Areas for the United States

*Phytophthora alni ssp alni*  
10-01-2007



## Susceptibility Potential



**Susceptibility potential is a product of:  
an equal-weighted overlay of the Introduction  
and Establishment potentials.**

**Introduction potential is an equal-weight overlay of:**

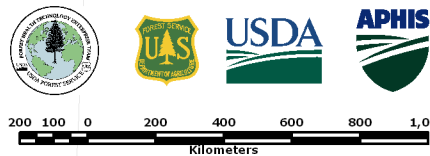
1. Wholesale and production nurseries that may receive bare root stock from countries where *Phytophthora alni ssp alni* is present buffered by six-kilometers, and
2. Municipalities that may receive bare root stock shipped from countries where *Phytophthora alni ssp alni* is present buffered by three-kilometers.

**Establishment is defined by:**

1. Alder host (modeled),
2. Flood-prone areas (a function of a logistic regression equation), and
3. Slopes less than 11 percent.

The methods used are based on Coulston, J.W., Koch, F.H., Smith, W.D., Sapio, F.J. 2006. *Developing Survey Grids to Substantiate Freedom from Exotic Pests*. FIA Symposium proceedings. In Press.

The sample area theissen polygons shown here are created by intersecting the risk, by category, with a systematic sampling point grid. To attain higher levels of certainty in the higher risk categories, sample areas are intensified where risk of susceptibility is highest.



Albers Equal Area Conic Projection