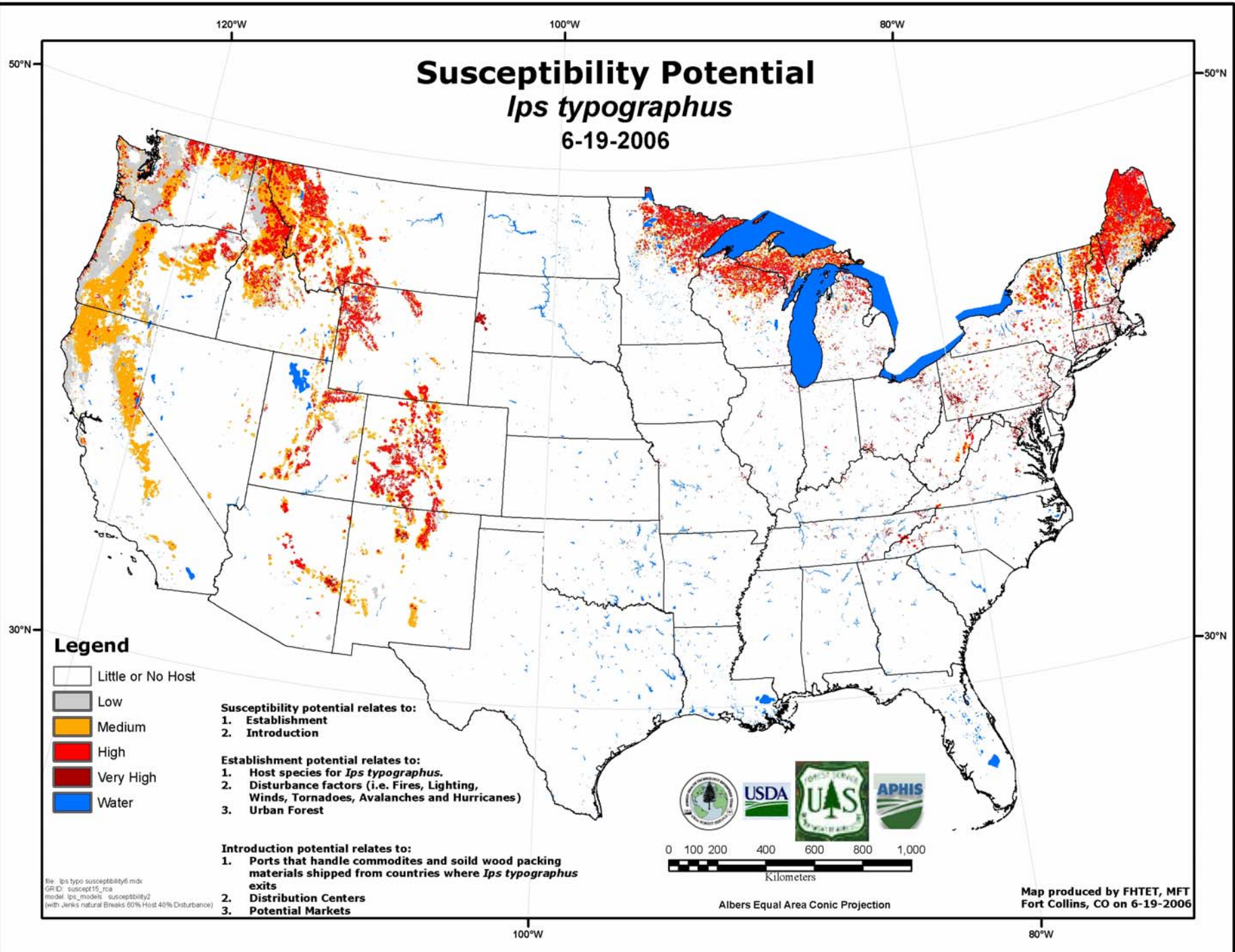


Susceptibility Potential

Ips typographus

6-19-2006



Summary of Susceptibility Potential for *Ips typographus* June 20, 2006 Website
URL: <http://www.fs.fed.us/foresthealth/technology/products.shtml>

The Susceptibility Potential Surface for *Ips typographus* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee (Table 1). The product's intended use is to develop a detection strategy for *Ips typographus*. Supporting information was taken from Exotic Forest Pest (ExFor) website (<http://spfnic.fs.fed.us/exfor/>). The Susceptibility Potential Surface was produced by combining the *Ips typographus* Introduction and Establishment Potential Surfaces in a final equal weighted overlay. Table 3 shows that 81,731,700 hectares of forest are susceptible to attack from *Ips typographus*. The datasets used in the Introduction and Establishment analyses, as well as the assigned arithmetic weights for each, can be seen in Tables 2 and 4, respectively.

Table 1

Steering Committee Members

Marla C. Downing, FHTET Lead
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 Daniel M. Borchert, APHIS PPQ
 Donald A. Duerr, USFS R8
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Table 2

Introduction Variables and Arithmetic Weights

Variables	Weight
Principal Ports	33.33%
Markets	33.33%
Distribution Centers	33.33%

Table 3 Summary of Susceptibility Potential for *Ips typographus*.

Category	Number of km ² Grid Cells	Hectares	Percent
Low	152,453	15,245,300	18.65
Medium	326,124	32,612,400	39.90
High	294,668	29,466,800	36.05
Very High	44,072	4,407,200	5.39
Total	817,317	81,731,700	100
<i>Little or No</i>	<i>6,972,607</i>	<i>697,260,700</i>	

Table 4 Establishment Datasets and Arithmetic Weights.

Variables	Weight
Disturbance	40%
Host Species	60%

Point of Contact

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