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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| dnrlogowhtblkstate | | Michigan Department of Natural Resources – Forest Resources Division  **Cooperative Beech Bark Disease Resistance Survey**  *This information is requested under the authority of the Department of Natural Resources.* | | | | | | | | | **MSU Tag #** | | | |
|  | | | |
| **Date** | | | |
|  | | | |
|  | | | | | | | | | | | | | | |
| **Observer** | | | | | | | | | | | | | | |
| Name | | | | | | | Organization | | | | | | | |
| Address | | | | | | | Telephone  (       ) | | | | | | | |
| City, State, ZIP | | | | | | | E-mail | | | | | | | |
| **Landowner** | | | | | | | | | | | | | | |
| Name | | | | | | | Organization | | | | | | | |
| Address | | | | | | | Telephone  (       ) | | | | | | | |
| City, State, ZIP | | | | | | | E-mail | | | | | | | |
| Land Use  Residential Recreation Area Private Non-Industrial Federal State | | | | | | | | | | | | | | |
| **Site Location** | | | | | | | | | | | | | | |
| County | | | Political Township | | | | | | TRS Q. Sec | | | | | |
| GPS Coordinates (preferred) (NAD83; Lat./Long. in decimal degrees) (Lat. 45.71717 / Long. -85.12343) | | | | | | | | | | | | | | |
| **Tree Data** | | | | | | | | | | | | | | |
| DBH (inches):       / Scales: Absent; Sparse/Date Resistance Observed: | | | | | | | | | | | | | | |
| Tree Condition  Healthy  Unhealthy (describe e.g. % Dieback, Discoloration): | | | | | | | | | | | | | | |
| **Site and Diagnostic Data** | | | | | | | | | | | | | | |
| **Beech Component of Area** | | | | | | | **Condition of Beech in Area** | | | | | | | |
| <21% beech stems | | | | | | | Scales only | | | | | | | |
| 21-40% beech stems | | | | | | | Scales and Nectria cankers | | | | | | | |
| >40% beech stems | | | | | | | Beech Bark Disease (BBD) induced decline/mortality | | | | | | | |
| Distance to nearest scale infested trees | | | |  | | feet | Major Overstory Species: | | |  | | | |  |
|  | | | |  | |  |  | | |  | | | |  |
| **Candidate trees must be** | | | | | | | | | | | | | | |
| 1. > 9" in diameter at breast height 2. Adjacent to trees heavily infested by beech scale, or residual beech in a BBD aftermath forest. 3. Free of scales, or scales have remained scarce for > 1 year. | | | | | | |  | | beech resistance R copy2 | | | |  | |
| **Please sketch tree location on Mapping Area on the back of this survey and provide comments necessary to find candidate tree.** | | | | | | |
| **Mark resistant trees with an “R” on two sides of the tree. Use white tree marking paint.** | | | | | | | |
| Draw detailed sketch showing the location of the candidate tree. Include significant landmarks and distances using selected map scale. Use comment box to add useful directions or comments relative to tree selection, stand history, etc. | | | | | | | | | | | | | | |
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|  | | | | | | | | | | | | | | |
| **Scale**: 3/4 inch =       feet, yards, chains, miles (select one) | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
| **Comments**: (One form can be used to report multiple trees on the same site. This may occur if a resistant clone is mapped, or if several separate candidate trees exist in the same proximity.) | | | | | | | | | | | | | | |
| Send completed surveys to: | | | | | | | | | | | | | | |
| **Robert Heyd - Forest Health Management Program**  **Forest Resources Division**  **Michigan Department of Natural Resources**  **1990 US 41 South**  **Marquette, MI 49855**  Telephone: (906) 228-6561  Email: heydr@michigan.gov | | | | | | | | | | | | | | |