

**TABLE 10**

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**SUMMARY OF FIELD SITE TOPOGRAPHY, SOIL CLASSIFICATION  
AND OBSERVED CANOPY STRESSES**

<b>Potentially Stressed Canopy Location/ Field Site</b>	<b>Topographic Position</b>	<b>Soil Classification<sup>(1)</sup></b>	<b>Tree Surveys</b>	<b>Predominant Trees Observed</b>	<b>Other Trees Observed</b>	<b>Observed Canopy Stress</b>
<b>Bailey Mine</b>						
A-1-1	Upper Slope-East Facing	DtF	2	Black locust	Elm, Oak, Maple, Cherry	Leaf Browning, Defoliation, Transparency
A-1-2	Upper Slope-East Facing	DtF/DoD	2	Black locust, Elm	Maple, Cherry, Hickory, Ash	Leaf Browning, Defoliation, Transparency
A-1-3	Mid Slope-South Facing	DtF/WeD	3	Oak/Maple, Black locust	Elm, Sycamore, Cherry	Branch Dieback, Leaf Browning, Defoliation
A-1-4	Upper Slope/Ridge-East/West Facing	DtF/WeB/WeC	1	Black locust, Elm	Cherry	Leaf Browning, Defoliation, Transparency
A-1-5	Upper Slope-South Facing	DtF/DoD	1	Elm	Black locust	Leaf Browning, Defoliation, Transparency
A-1-8	Upper Slope-South Facing	WeD/CaC	1	Black locust Cherry	Elm	Leaf Browning, Defoliation
A-1-x1	Mid Slope-West Facing	DtF	1	Black locust, Elm	Maple, Ash	Leaf Browning, Defoliation
A-1-x2	Lower Slope-West Facing	DtF	1	Maple	Black locust, Sycamore	None observed
A-2-1	Upper Slope-East Facing	DtF/DtD	1	Black locust	Elm	Leaf Browning, Defoliation
A-2-2	Upper Slope-West & East Facing	DtF	2 (1 on each side)	Black locust	Elm, Cherry	Leaf Browning, Defoliation, Transparency
A-2-3	Upper Slope-South Facing	DtD/CaD	1	Black locust, Black walnut, Elm	Cherry, Ash	Leaf Browning, Defoliation
A-3-2	Upper Slope-South Facing	DtF	1	Elm, Black locust	Maple, Cherry	Leaf Browning, Defoliation, Transparency
<b>Blacksville Mine</b>						
B-1-1	Lower to Upper Slope/Ridge-East Facing	DtF/CkC/CaB	2	Black locust	Elm, Cherry, Ash, Black walnut	Leaf Browning, Defoliation, Transparency
B-1-4	Mid to Upper Slope-East Facing	DtF/DoD	1	Oak	Maple, Hickory	Branch Dieback
B-1-9	Mid-Slope-West Facing	DtF	1	Black locust	Cherry	Leaf Browning, Defoliation
B-2-1	Upper Slope-East Facing	DtF	2	Black locust, Elm,	Maple, Hackberry	Leaf Browning, Defoliation,

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Potentially Stressed Canopy Location/ Field Site	Topographic Position	Soil Classification <sup>(1)</sup>	Tree Surveys	Predominant Trees Observed	Other Trees Observed	Observed Canopy Stress
				Cherry, Black walnut		Transparency
B-2-2	Upper Slope-East Facing	DtF/DoD	1	Black locust	Cherry, Black walnut	Leaf Browning, Defoliation
B-2-5	Lower Slope-South Facing	DtF	1	Black locust, Elm, Cherry, Ash		Leaf Browning, Defoliation
B-2-6	Upper Slope-West Facing	DtF/DtD	1	Black locust	Cherry	Leaf Browning, Defoliation
B-2-8	Ridge-East/West Facing	CaC/CaB	1	Black locust		Leaf Browning, Defoliation
B-3-1	Upper Slope-South Facing	DtF/DtD	1	Black locust	Cherry, Ash	Leaf Browning, Defoliation
B-3-2	Mid Slope-East Facing	DtF	1	Black locust	Cherry	Leaf Browning, Defoliation
B-3-3	Mid Slope-East Facing	DtF	1	Black locust	Cherry, Ash, Black walnut	Leaf Browning, Defoliation
<b>Humphrey No. 7 Mine</b>						
D-1-1	Mid to Upper Slope-West Facing	DtF	1	Black locust, Sassafras	Elm, Black walnut	Leaf Browning, Defoliation
D-1-2	Upper Slope-South Facing	DtF/DtD	1	Black locust	Cherry, Ash, Black walnut	Leaf Browning, Defoliation
Lee Property	Lower to Upper Slope-West Facing	DtF	1	Ash	Cherry, Poplar	Branch Dieback
D-1-4	Upper Slope-East Facing	DtF	1	Aspen	Beech, Oak, Maple	Branch Dieback
D-2-1	Mid Slope-East Facing	DtF	1	Oak, Elm	Maple, Poplar	Branch Dieback
D-2-3	Lower Slope-West Facing	DtD	1	Oak	Cherry Ash, Hickory	Branch Dieback
D-2-4	Mid Slope-West Facing	DtD/DtF	1	Oak	Maple, Sassafras	Branch Dieback
D-2-5	Mid Slope-West Facing	DtF/DtD	1	Oak	Maple, Cherry, Hickory	Branch Dieback
D-3-1	Upper Slope-East Facing	DtF	1	Black locust	Elm, Cherry, Black walnut	Leaf Browning, Defoliation
D-3-2	Mid Slope-West Facing	DtF	1	Maple, Cherry	Elm, Hickory, Poplar	Logging Slash <sup>(2)</sup>
D-3-4	Mid Slope-West Facing	DtF	1	Maple, Poplar	Cherry	Unknown

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- <sup>(1)</sup> Soil classification based on Soil Conservation Service, "Soil Survey of Greene and Washington Counties, Pennsylvania," 1983. DtD and DtF is Dormont-Culleoka silt and silty clay loam, moderately well to well drained. DoD is Dormont silt loam, moderately well drained. WeB, WeC and WeD is Weikert-Culleoka complex (silt to silty clay loam), well drained. CaB, CaC and CaD is Culleoka silt and silty clay loam, well drained. CkC is Culleoka-Upshur complex (silt loam), well drained.
- <sup>(2)</sup> Logging slash was responsible for anomaly observed on imagery, but is not an actual canopy stress.