

TABLE 12

**SUMMARY OF GROUND TRUTHING RESULTS
 PREDOMINANT TREE TYPES, FIELD OBSERVATIONS
 AND VIGOR RATINGS**

Predominant Tree Type	Study Site	Predominant Observed Canopy Stress ⁽¹⁾	Undermined 1995-1999		Undermined Prior to 1990		Non-undermined Control Site	
			No. Surveys	Average Vigor Rating	No. Surveys	Average Vigor Rating	No. Surveys	Average Vigor Rating
Black Locust	A	Insect Infestation	7	2.3 to 3.9	4	2.0 to 3.1	--	--
	B	Insect Infestation	4	2.7 to 3.3	5	1.9 to 4.1	3	3.0 to 3.3
	D	Insect Infestation	2	2.7 to 3.5	--	--	1	3.3
Elm	A	Insect Infestation	2	3.2 to 4.0	--	--	1	3.9
	B	--	--	--	--	--	--	--
	D	--	--	--	--	--	--	--
Maple	A	Logging Slash ⁽²⁾	1	2.0	--	--	--	--
	B	--	--	--	--	--	--	--
	D	Logging Slash and Unknown	--	--	--	--	2	3.5 to 3.7
Oak	A	Branch Dieback	2	2.0 to 4.3	--	--	--	--
	B	Branch Dieback	1	5.0	--	--	--	--
	D	Branch Dieback	--	--	4	4.5 to 5.0	--	--
Aspen	A	--	--	--	--	--	--	--
	B	--	--	--	--	--	--	--
	D	Branch Dieback	1	3.7	--	--	--	--

⁽¹⁾ Predominant observed canopy stress indicated for each tree type and study site is consistent, regardless of whether surveys were conducted over undermined study sites or control study sites.

⁽²⁾ Logging slash was observed on imagery as an anomaly, but is not a canopy stress.