

Supplementary Materials



Figure S1. Image depicting the spacing and orientation of seedling pots in the stock tank. Species location was randomized for each tank separately. Full sun and water table at the soil surface is the treatment combination presented as an example.

Table S1. Number of individuals browsed per species. Each species had 72 individuals total.

Species	# of Individuals Browsed
Red maple	35
Silver maple	43
Sugar maple	33
Yellow birch	26
River birch	14
Bitternut hickory	18
Hackberry	31
Black walnut	6
Tamarack	0
White spruce	0
Black spruce	1
Red pine	0
Eastern white pine	0
American sycamore	10
Trembling aspen	43
White oak	33
Swamp white oak	27
Bur oak	39
Northern red oak	40
Bald cypress	0
Northern white cedar	0
Basswood	42
American elm	29

Table S2. Species survival percentages across all treatments ranked highest (top) to lowest.

Species	Survival (%)
silver maple	100
yellow birch	100
river birch	100
sycamore	100
swamp white oak	100
basswood	100
American elm	99
tamarack	99
eastern white pine	99
northern white cedar	97
bald cypress	97
trembling aspen	97
hackberry	96
white spruce	96
bur oak	96
northern red oak	94
bitternut hickory	92
black spruce	92
red pine	90
white oak	90
red maple	86
sugar maple	74
black walnut	67

Table S3. Survival analysis ANOVA results: Two-way ANOVA results summary for seedling survival based on mixed effects logistic regression analysis with water table depth and light reduction as fixed effects. The p-values are presented for each model term. P-values that are significant at $\alpha \leq 0.1$ are bolded.

	Red Maple	Sugar Maple	Bitternut Hickory	Black Walnut	White Oak	Tamarack	White Spruce	Red Pine	White Pine
	p-value								
Water Table Depth	0.8001	0.2479	0.8952	0.0849	0.5338	1.0000	1.0000	0.8201	1.0000
Light Reduction	0.3671	0.8284	0.8169	0.6134	0.7704	1.0000	1.0000	0.8201	1.0000
Water Table Depth x Light Reduction	0.9995	0.5722	0.9964	0.3691	1.0000	1.0000	1.0000	1.0000	1.0000

Table S4. Estimated marginal means for absolute height and basal diameter growth for each water table treatment level based on linear mixed effects analysis with water table depth and light reduction as fixed effects.

	Red Maple	Sugar Maple	Silver Maple	Yellow Birch	Bitternut Hickory	River Birch	Black Walnut	White Oak	Swamp White Oak	American Elm	Tamarack	White Spruce
Height (cm)	Estimated Marginal Mean											
0	-1.902	-3.811	2.758	4.372	-0.816	6.826	-7.492	-1.210	0.294	3.919	-2.619	0.423
14	-0.207	-0.201	15.784	13.448	-0.659	14.610	-3.443	1.170	0.808	12.862	15.982	2.606
27	-0.075	-0.277	16.798	15.558	-2.818	15.210	6.893	1.992	4.335	27.226	17.254	4.288
Basal Diameter (mm)	Estimated Marginal Mean											
0	0.422	0.120	0.609	0.454	-0.044	2.087	0.171	0.218	0.006	1.333	1.092	0.463
14	0.208	0.647	1.570	1.341	-0.031	1.880	0.015	0.570	-0.095	3.169	2.689	1.192
27	0.427	0.264	1.616	1.111	-0.182	1.952	0.206	0.191	0.409	4.304	2.767	1.362
	Black Spruce	Red Pine	White Pine	Northern White Cedar	Sycamore	Bald Cypress	Northern Red Oak	Trembling Aspen	Basswood	Bur Oak	Hackberry	
Height (cm)	Estimated Marginal Mean											
0	2.790	0.563	0.491	-0.016	-1.069	22.873	-3.218	1.056	-2.403	-0.883	-2.508	
14	6.988	0.680	1.444	3.589	13.385	27.417	-0.694	39.084	6.933	-0.627	2.317	
27	9.080	1.149	1.317	8.350	19.140	31.753	2.269	58.057	14.442	1.043	6.657	
Basal Diameter (mm)	Estimated Marginal Mean											
0	0.492	0.124	0.842	1.068	0.919	3.680	0.243	0.729	0.240	-0.108	-0.230	
14	1.746	0.603	0.708	1.580	1.729	3.780	-0.401	2.719	1.453	-0.057	0.637	
27	1.723	0.794	0.862	1.879	2.314	3.339	-0.268	4.790	2.881	0.379	1.359	

Table S5. Estimated marginal means for absolute height and basal diameter growth at each light reduction treatment level based on linear mixed effects analysis with water table and light reduction as fixed effects.

	Red Maple	Sugar Maple	Silver Maple	Yellow Birch	Bitternut Hickory	River Birch	Black Walnut	White Oak	Swamp White Oak	American Elm	Tamarack	White Spruce
Height (cm)	Estimated Marginal Mean											
0	-0.322	-1.909	10.694	9.769	-1.665	12.596	-4.395	-0.370	1.400	15.628	10.691	2.772
40	-0.865	-1.085	12.174	12.730	-0.811	11.908	-3.899	1.216	1.889	13.774	13.688	2.252
70	-0.997	-1.294	12.473	10.878	-1.818	12.142	4.252	1.106	2.148	14.605	6.239	2.292
Basal Diameter (mm)												
0	0.714	0.072	1.381	0.977	-0.022	1.988	0.378	0.319	0.113	2.896	2.613	1.185
40	0.284	0.407	1.211	1.252	0.064	1.857	-0.231	0.356	-0.193	3.203	2.366	1.061
70	0.059	-0.040	1.203	0.677	-0.299	2.073	0.245	0.305	0.402	2.707	1.569	0.772
	Black Spruce	Red Pine	White Pine	Northern White Cedar	Sycamore	Bald Cypress	Northern Red Oak	Trembling Aspen	Basswood	Bur Oak	Hackberry	
Height (cm)	Estimated Marginal Mean											
0	6.769	1.275	1.140	5.461	11.396	27.174	-2.648	32.291	5.256	-0.274	2.179	
40	6.641	0.411	0.831	3.875	12.973	26.837	1.766	30.209	8.474	-0.915	0.728	
70	5.448	0.706	1.281	2.586	7.087	28.032	-0.761	35.696	5.243	0.723	3.560	
Basal Diameter (mm)												
0	1.667	0.726	0.712	1.819	2.008	4.336	-0.217	3.022	1.568	0.174	1.190	
40	1.422	0.452	0.846	1.343	1.774	3.316	0.094	2.687	1.558	0.074	0.404	
70	0.872	0.344	0.854	1.365	1.180	3.148	-0.303	2.529	1.448	-0.035	0.173	

Table S6. Morphology analysis ANOVA results: Two-way ANOVA results summary for height and basal diameter growth based on linear mixed effects analysis with water table depth and light reduction as fixed effects. The p-values are presented for each model term. P-values that are significant at $\alpha \leq 0.1$ are bolded.

	Red Maple	Sugar Maple	Silver Maple	Yellow Birch	Bitternut Hickory	River Birch	Black Walnut	White Oak	Swamp White Oak	American Elm	Tamarack	White Spruce
Factor	p-value											
<i>Height (Absolute)</i>												
Water Table Depth	0.3114	0.0358	<.0001	<.0001	0.2104	<.0001	0.0016	0.1090	0.0009	<.0001	<.0001	0.0212
Light Reduction	0.9088	0.7364	0.5965	0.4971	0.6618	0.6273	0.0153	0.6320	0.7551	0.8338	0.0701	0.8974
Water Table Depth x Light Reduction	0.0879	0.8922	0.0731	0.3013	0.3941	0.7447	0.1814	0.5568	0.2543	0.6697	0.0393	0.0805
<i>Basal Diameter (Absolute)</i>												
Water Table Depth	0.9325	0.4647	0.0486	0.0066	0.7421	0.8861	0.9372	0.4478	0.1962	<.0001	<.0001	0.0003
Light Reduction	0.1757	0.0950	0.8383	0.2018	0.2879	0.7816	0.2596	0.9675	0.0624	0.4613	0.0081	0.5798
Water Table Depth x Light Reduction	0.0713	0.5984	0.1602	0.2989	0.2184	0.4645	0.1345	0.0667	0.0640	0.2732	0.3452	0.0609
	Black Spruce	Red Pine	White Pine	Northern White Cedar	Sycamore	Bald Cypress	Northern Red Oak	Trembling Aspen	Basswood	Bur Oak	Hackberry	
Factor	p-value											
<i>Height (Absolute)</i>												
Water Table Depth	<.0001	0.6386	0.1057	<.0001	<.0001	0.0347	0.0072	<.0001	<.0001	0.1735	<.0001	
Light Reduction	0.5198	0.3562	0.7459	0.0364	0.0096	0.7659	0.0259	0.4444	0.1085	0.2247	0.1054	
Water Table Depth x Light Reduction	0.0997	0.4643	0.5142	0.0023	0.1936	0.6248	0.1367	0.7143	0.0509	0.5881	0.2373	
<i>Basal Diameter (Absolute)</i>												
Water Table Depth	<.0001	0.0312	0.8124	0.0416	0.0007	0.5269	0.1557	<.0001	<.0001	0.3584	<.0001	
Light Reduction	0.0269	0.2439	0.8433	0.2868	0.0233	0.0101	0.3003	0.5068	0.9519	0.7098	0.0030	
Water Table Depth x Light Reduction	0.3060	0.8336	0.4444	0.2405	0.0003	0.8028	0.8476	0.8102	0.0928	0.0768	0.4407	

Table S7. Estimated marginal means for absolute height and basal diameter growth based on linear mixed effects analysis with water table depth and light reduction as fixed effects.

		Red Maple	Sugar Maple	Silver Maple	Yellow Birch	Bitternut Hickory	River Birch	Black Walnut	White Oak	Swamp White Oak	American Elm	Tamarack	White Spruce
Height (cm)		Estimated Marginal Mean											
Water Table Depth	Light Reduction												
0	0	-0.840	-4.516	1.916	0.613	-1.607	6.430	-11.630	0.003	-0.681	3.960	-10.021	2.130
14	0	-2.869	-0.161	17.362	14.594	-0.799	15.340	-6.390	-1.331	-1.034	12.800	20.133	3.230
27	0	2.743	-1.051	12.803	14.102	-2.587	16.020	4.840	0.220	5.915	30.130	21.961	2.960
0	40	-1.632	-3.574	0.218	5.570	-1.795	7.110	-7.850	-1.578	0.930	3.800	1.580	-2.430
14	40	1.231	-0.732	13.822	12.872	0.302	12.790	-11.460	2.818	1.426	9.950	19.743	1.980
27	40	-2.195	1.051	22.482	19.748	-0.939	15.830	7.620	2.409	3.312	27.570	19.739	7.210
0	70	-3.233	-3.343	6.139	6.932	0.955	6.940	-2.990	-2.054	0.635	4.000	0.584	1.570
14	70	1.016	0.290	16.169	12.879	-1.481	15.700	7.520	2.025	2.032	15.840	8.071	2.610
27	70	-0.773	-0.830	15.110	12.823	-4.928	13.780	8.220	3.348	3.778	23.980	10.063	2.690
Basal Diameter (mm)													
Water Table Depth	Light Reduction												
0	0	0.599	0.205	0.481	0.314	0.269	1.900	0.153	0.020	-0.464	1.290	0.979	0.562
14	0	-0.002	-0.150	2.047	1.756	-0.262	2.350	0.082	1.046	0.542	2.920	3.205	1.463
27	0	1.546	0.160	1.615	0.863	-0.072	1.710	0.898	-0.110	0.261	4.480	3.656	1.529
0	40	0.307	0.127	0.170	0.552	-0.237	1.750	0.419	0.133	-0.001	1.590	1.393	-0.143
14	40	0.810	0.759	1.206	1.691	0.344	1.650	0.008	0.860	-0.930	3.000	2.930	1.467
27	40	-0.264	0.334	2.257	1.512	0.085	2.170	-1.121	0.074	0.351	5.010	2.774	1.860
0	70	0.361	-0.003	1.177	0.496	-0.163	2.600	-0.058	0.502	0.484	1.110	0.905	0.970
14	70	-0.184	-0.416	1.456	0.577	-0.175	1.640	-0.046	-0.196	0.104	3.590	1.931	0.646
27	70	0.000	0.299	0.976	0.959	-0.560	1.980	0.839	0.609	0.616	3.420	1.872	0.698
		Black Spruce	Red Pine	White Pine	Northern White Cedar	Sycamore	Bald Cypress	Northern Red Oak	Trembling Aspen	Basswood	Bur Oak	Hackberry	
Height (cm)		Estimated Marginal Mean											
Water Table Depth	Light Reduction												
0	0	2.530	1.461	0.920	0.388	-1.824	19.900	-7.660	-0.857	-3.160	-0.938	-3.023	
14	0	8.800	0.626	0.929	4.851	17.821	27.600	-1.854	42.548	8.440	-1.088	0.101	
27	0	8.970	1.738	1.570	11.145	18.190	34.000	1.570	55.182	10.490	1.205	9.460	
0	40	2.940	-0.908	0.199	-0.254	0.169	25.000	0.528	-0.561	-2.210	-2.542	-4.938	
14	40	5.540	0.791	1.524	1.421	14.791	28.200	-0.733	32.280	6.880	-1.712	2.638	
27	40	11.440	1.351	0.770	10.458	23.960	27.300	5.502	58.909	20.750	1.507	4.482	
0	70	2.900	1.136	0.352	-0.183	-1.551	23.700	-2.522	4.585	-1.840	0.830	0.439	
14	70	6.620	0.624	1.878	4.494	7.542	26.500	0.504	42.426	5.480	0.921	4.212	
27	70	6.820	0.358	1.612	3.448	15.269	33.900	-0.265	60.078	12.090	0.417	6.030	
Basal Diameter (mm)													
Water Table Depth	Light Reduction												
0	0	0.438	0.213	0.422	0.835	0.357	4.760	-0.102	0.860	0.519	-0.604	0.060	
14	0	2.452	0.737	0.795	2.264	3.398	4.420	-0.310	3.287	1.080	0.232	1.178	
27	0	2.110	1.227	0.919	2.358	2.269	3.820	-0.239	4.918	3.106	0.895	2.332	
0	40	0.848	0.120	0.914	1.040	1.155	3.130	0.673	0.563	-0.294	-0.130	-0.442	
14	40	1.481	0.484	0.581	1.367	1.475	3.730	-0.399	2.411	1.497	-0.004	0.736	
27	40	1.938	0.751	1.043	1.622	2.691	3.090	0.008	5.087	3.472	0.357	0.919	
0	70	0.189	0.039	1.190	1.330	1.244	3.150	0.158	0.764	0.494	0.411	-0.307	
14	70	1.307	0.588	0.747	1.109	0.315	3.190	-0.493	2.459	1.783	-0.400	-0.002	
27	70	1.119	0.404	0.624	1.656	1.982	3.110	-0.573	4.365	2.066	-0.115	0.827	

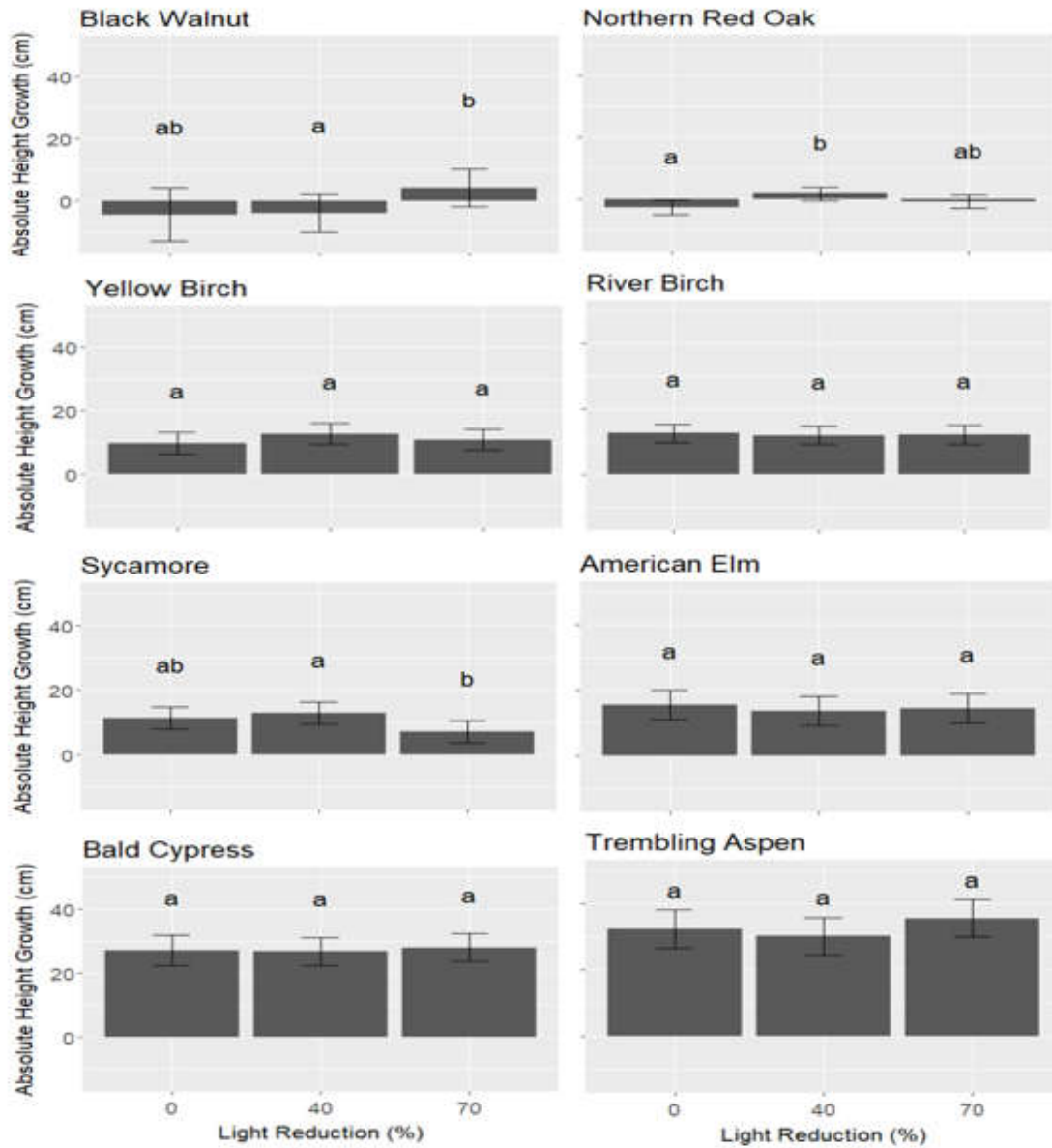


Figure S2. Absolute seedling height growth at the end of the growing season for each light reduction treatment for 8 of the 23 species (species with significant interactions between the treatment factors or less than four cm growth in all treatments and no significant main effect are not shown). Lower-case letters indicate significant differences among light reduction treatments in panels with significant treatment effects ($p < 0.1$). There were no significant light reduction treatment by water table depth interaction effects for these species. Error bars represent 90% confidence intervals.

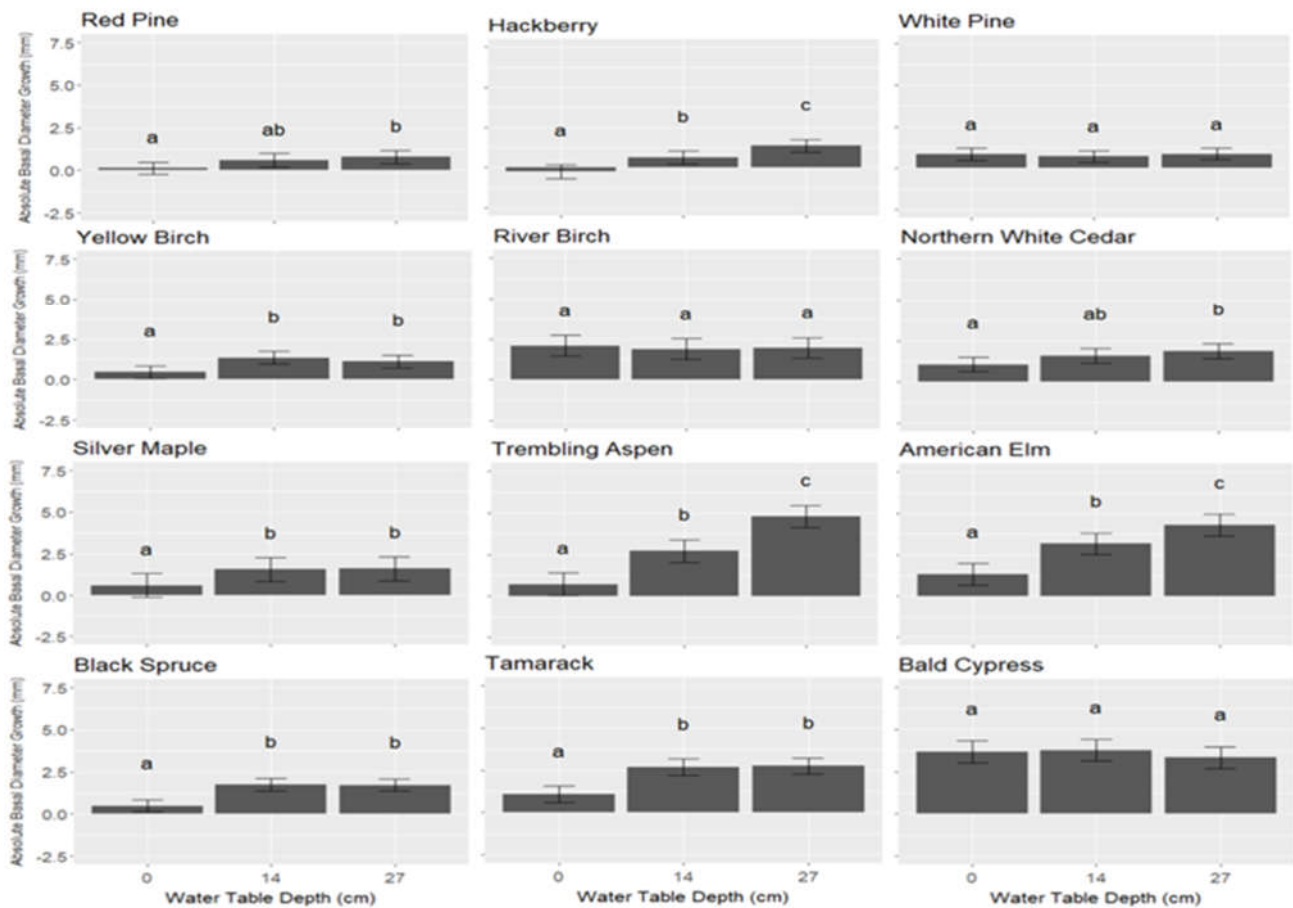


Figure S3. Absolute seedling basal diameter growth at the end of the growing season for each water table depth treatment for 12 of the 23 species (species with significant interactions between the treatment factors or less than 0.7 mm growth in all treatments and no significant main effect are not shown). Lowercase letters indicate significant differences among water table depth treatments in panels with significant treatment effects ($p < 0.1$). There were no significant water table depth treatment by light reduction interaction effects for these species. Error bars represent 90% confidence intervals.

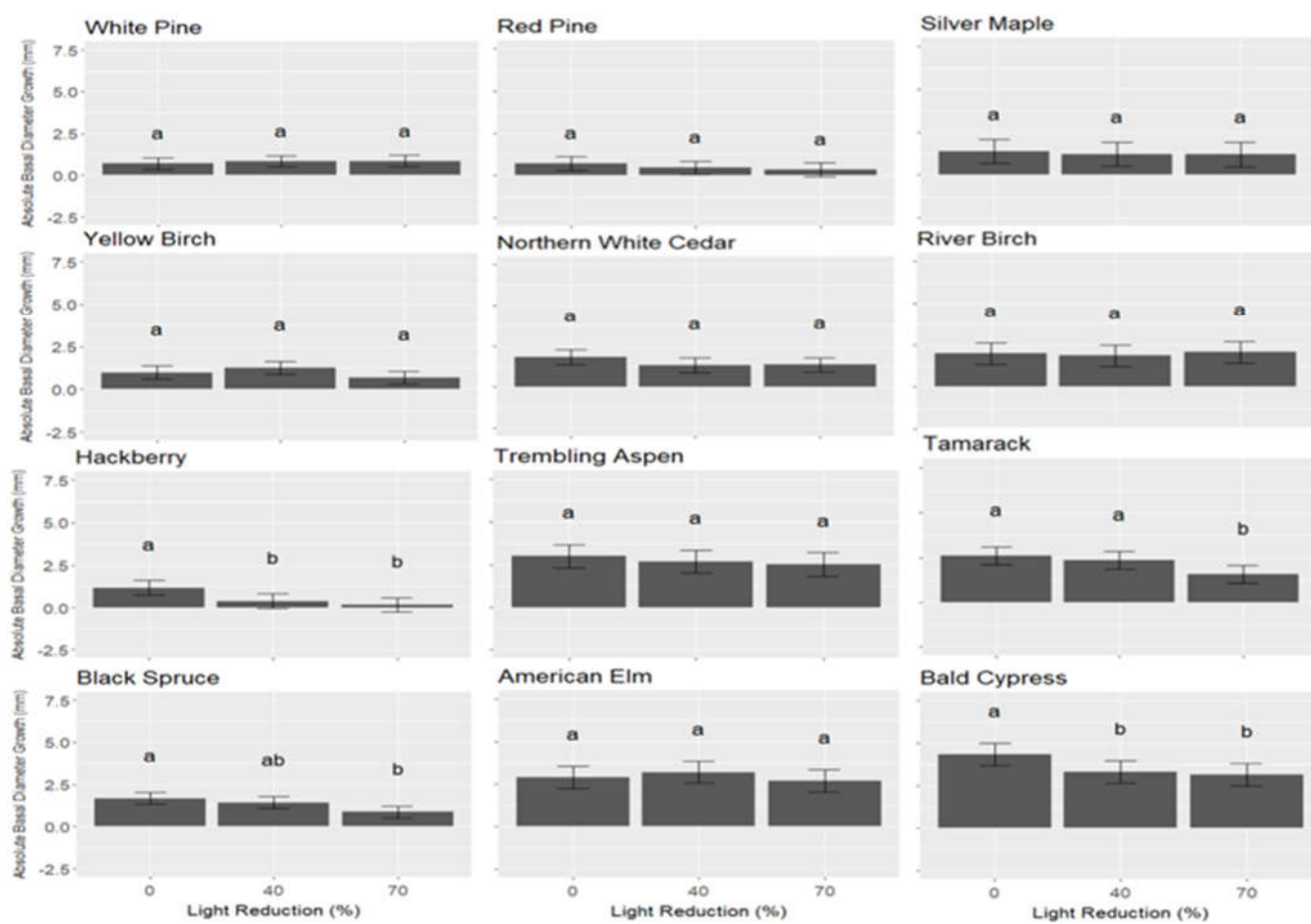


Figure S4. Absolute seedling basal diameter growth at the end of the growing season for each light reduction treatment for 16 of the 23 species (species with significant interactions between the treatment factors or less than 0.7 mm growth in all treatments and no significant main effect are not shown). Lowercase letters indicate significant differences among light reduction treatments in panels with significant treatment effects ($p < 0.1$). There were no significant light reduction treatment by water table depth interaction effects for these species. Error bars represent 90% confidence intervals.

Table S8. Gas exchange analysis ANOVA results: Three-way ANOVA results summary for photosynthesis, stomatal conductance, and transpiration based on mixed effects repeated measures analysis with water table depth, light reduction, and sampling date as fixed effects. The p-values are presented for each model term. P-values that are significant at $\alpha \leq 0.1$ are bolded.

	Red Maple	Silver Maple	River Birch	Swamp White Oak	American Elm	Tamarack	Northern White Cedar	Sycamore	Bald Cypress	Trembling Aspen	Bur Oak	Hackberry
Factor	p-value											
<i>Photosynthesis</i>												
Sampling Date	0.4452	<.0001	<.0001	0.0031	<.0001	<.0001	<.0001	<.0001	0.0234	<.0001	0.0035	0.0058
Water Table Depth	0.0006	<.0001	0.0036	<.0001	<.0001	<.0001	<.0001	0.3049	0.1099	<.0001	<.0001	<.0001
Light Reduction	0.4019	0.8959	0.0375	0.4620	0.1463	0.0320	0.0026	0.0691	0.3595	0.0483	0.1841	0.3604
Sampling Date x Water Table Depth	0.5402	0.3202	0.2341	0.0056	0.0226	0.4906	0.3687	0.1628	0.5215	0.3882	0.0307	0.7389
Sampling Date x Light Reduction	0.3183	0.6930	0.3588	0.0687	0.0379	0.0154	0.0238	0.2314	0.4579	0.7470	0.9296	0.7373
Water Table Depth x Light Reduction	0.8221	0.9351	0.9130	0.3913	0.5150	0.8701	0.2343	0.0757	0.0458	0.4006	0.0850	0.0502
Sampling Date x Water Table Depth x Light Reduction	0.9882	0.9870	0.1392	0.9444	0.8290	0.9737	0.9970	0.2272	0.9833	0.4482	0.8613	0.4426
<i>Stomatal Conductance</i>												
Sampling Date	0.0601	0.2009	0.0635	0.1450	0.0015	<.0001	<.0001	0.4255	<.0001	0.6621	0.0484	0.6690
Water Table Depth	0.1645	<.0001	0.8110	0.0518	0.2581	<.0001	<.0001	0.4344	0.5125	<.0001	0.0040	0.0021
Light Reduction	0.9312	0.2710	0.6865	0.5315	0.0537	0.8088	0.3958	0.0239	0.8958	0.4710	0.2481	0.8252
Sampling Date x Water Table Depth	0.6698	0.5805	0.9781	0.9187	0.5571	0.1038	0.0004	0.8057	0.4789	0.9172	0.3171	0.7372
Sampling Date x Light Reduction	0.2374	0.5671	0.0623	0.0595	0.0007	0.7448	0.2991	0.0075	0.5894	0.1348	0.0844	0.0731
Water Table Depth x Light Reduction	0.8296	0.4086	0.3154	0.3024	0.7556	0.4824	0.4637	0.1953	0.7011	0.3627	0.8854	0.1214
Sampling Date x Water Table Depth x Light Reduction	0.5413	0.0329	0.3583	0.9454	0.3241	0.8464	0.7731	0.1096	0.6368	0.7427	0.9607	0.9067
<i>Transpiration</i>												
Sampling Date	0.2340	0.1087	<.0001	0.2895	0.0257	<.0001	<.0001	0.0162	<.0001	0.0095	0.0191	0.0185
Water Table Depth	0.2626	<.0001	0.0025	0.0060	0.0004	<.0001	0.0004	<.0001	0.8879	0.0001	0.0070	0.0059
Light Reduction	0.5148	0.0250	0.6165	0.4142	0.3702	0.8564	0.4893	0.1023	0.3082	0.4439	0.1123	0.3107
Sampling Date x Water Table Depth	0.7275	0.8544	0.9371	0.6128	0.4772	0.3975	0.2261	0.8661	0.5239	0.9789	0.0178	0.7165
Sampling Date x Light Reduction	0.1554	0.0054	0.0188	0.0860	0.0022	0.9686	0.1821	0.0030	0.2755	0.1986	0.0150	0.1420
Water Table Depth x Light Reduction	0.7783	0.1597	0.3040	0.2747	0.6099	0.7516	0.6552	0.9869	0.5374	0.1113	0.7036	0.2344
Sampling Date x Water Table Depth x Light Reduction	0.3366	0.3329	0.5531	0.8643	0.6491	0.7561	0.9928	0.5146	0.4171	0.9171	0.8744	0.9958

Table S9. Estimated marginal means for photosynthesis, stomatal conductance, and transpiration for each water table treatment level based on linear mixed effects repeated measures analysis with water table depth, light reduction and sample date as fixed effects.

	Red Maple	Silver Maple	River Birch	Swamp White Oak	American Elm	Tamarack	Northern White Cedar	Sycamore	Bald Cypress	Trembling Aspen	Bur Oak	Hackberry
Photosynthesis ($\mu\text{mol m}^{-2} \text{sec}^{-1}$)												
	Estimated Marginal Mean											
0	2.313	2.886	8.817	3.924	5.213	10.518	4.961	7.287	13.925	10.285	3.714	3.078
14	4.707	5.604	10.528	5.603	7.599	16.768	8.811	7.890	12.904	13.252	4.806	4.361
27	4.798	5.311	12.069	6.023	9.233	19.766	10.774	8.496	15.328	14.677	7.419	5.816
Stomatal Conductance ($\text{mol m}^{-2} \text{sec}^{-1}$)												
0	0.031	0.037	0.196	0.057	0.258	0.104	0.018	0.137	0.200	0.114	0.037	0.012
14	0.055	0.084	0.230	0.069	0.220	0.264	0.097	0.141	0.181	0.173	0.062	0.043
27	0.042	0.090	0.251	0.090	0.112	0.336	0.131	0.211	0.176	0.193	0.079	0.055
Transpiration ($\text{mmol m}^{-2} \text{sec}^{-1}$)												
0	0.443	0.697	3.163	1.073	1.434	2.268	0.906	2.621	3.641	3.133	0.900	0.394
14	0.761	1.817	4.516	1.528	2.392	4.528	1.633	3.953	3.589	4.308	1.675	1.207
27	0.869	2.285	4.466	2.009	2.419	5.641	2.364	4.890	3.511	4.877	1.940	1.580

Table S10. Estimated marginal means for photosynthesis, stomatal conductance, and transpiration based on linear mixed effects repeated measures analysis with water table depth, light reduction and sample date as fixed effects.

		Red Maple	Silver Maple	River Birch	Swamp White Oak	American Elm	Tamarack	Northern White Cedar	Sycamore	Bald Cypress	Trembling Aspen	Bur Oak	Hackberry
Photosynthesis ($\mu\text{mol m}^{-2} \text{sec}^{-1}$)		Estimated Marginal Mean											
Water Table Depth	Light Reduction												
0	0	2.660	2.930	9.460	5.150	5.630	9.370	5.490	5.620	12.300	11.190	3.940	4.410
14	0	5.240	5.670	12.270	5.880	7.120	14.380	10.890	9.600	15.000	14.630	6.390	5.370
27	0	5.550	5.600	13.990	5.850	10.330	18.380	11.830	9.840	14.500	14.680	7.020	5.070
0	40	1.600	2.760	9.510	3.070	5.600	11.760	4.250	8.680	13.400	11.740	2.810	2.560
14	40	4.640	5.740	10.250	5.730	8.300	17.520	8.010	8.460	11.500	12.930	4.350	3.860
27	40	4.010	5.040	11.910	5.830	9.440	20.800	10.650	8.360	13.900	15.090	7.420	6.440
0	70	2.680	2.960	7.480	3.550	4.410	10.420	5.140	7.560	18.900	7.920	4.390	2.270
14	70	4.240	5.400	9.070	5.200	7.380	18.400	7.530	5.610	13.500	12.190	3.680	3.860
27	70	4.830	5.290	10.300	6.390	7.930	20.130	9.840	7.280	13.600	14.270	7.820	5.930
Stomatal Conductance ($\text{mol m}^{-2} \text{sec}^{-1}$)													
Water Table Depth	Light Reduction												
0	0	0.034	0.018	0.145	0.035	0.130	0.088	0.016	0.077	0.222	0.117	0.020	-0.007
14	0	0.063	0.068	0.296	0.075	0.187	0.229	0.119	0.129	0.178	0.180	0.056	0.061
27	0	0.036	0.096	0.381	0.076	0.053	0.380	0.131	0.254	0.170	0.169	0.074	0.045
0	40	0.027	0.060	0.260	0.069	0.457	0.110	0.022	0.256	0.194	0.139	0.054	0.032
14	40	0.061	0.133	0.189	0.051	0.381	0.283	0.065	0.301	0.176	0.173	0.069	0.027
27	40	0.049	0.085	0.180	0.120	0.167	0.333	0.126	0.197	0.185	0.230	0.088	0.046
0	70	0.032	0.036	0.182	0.067	0.192	0.115	0.015	0.080	0.186	0.089	0.038	0.015
14	70	0.040	0.058	0.205	0.083	0.097	0.281	0.109	-0.008	0.188	0.167	0.061	0.043
27	70	0.042	0.088	0.190	0.077	0.115	0.299	0.134	0.182	0.174	0.202	0.074	0.076
Transpiration ($\text{mmol m}^{-2} \text{sec}^{-1}$)													
Water Table Depth	Light Reduction												
0	0	0.588	0.059	2.910	0.580	1.221	2.450	0.980	2.360	3.800	3.490	0.289	-0.080
14	0	0.707	1.635	4.910	1.755	1.946	4.060	2.041	3.620	3.470	4.590	1.689	1.465
27	0	0.649	2.071	5.420	1.611	2.724	5.740	2.405	5.010	4.050	4.180	1.419	1.000
0	40	0.324	1.069	3.460	1.364	1.443	2.220	1.297	3.110	3.780	3.570	1.147	0.806
14	40	1.013	2.608	5.120	1.236	2.549	4.830	1.293	4.750	3.930	4.480	1.619	0.965
27	40	0.971	2.509	3.990	2.651	2.200	5.890	2.389	5.240	3.380	5.080	2.210	1.714
0	70	0.424	1.119	3.120	1.354	1.660	2.140	0.442	2.390	3.340	2.330	1.266	0.552
14	70	0.583	1.337	3.510	1.616	2.743	4.690	1.566	3.480	3.370	3.850	1.717	1.212
27	70	1.003	2.287	3.980	1.849	2.357	5.300	2.298	4.420	3.100	5.370	2.191	2.137

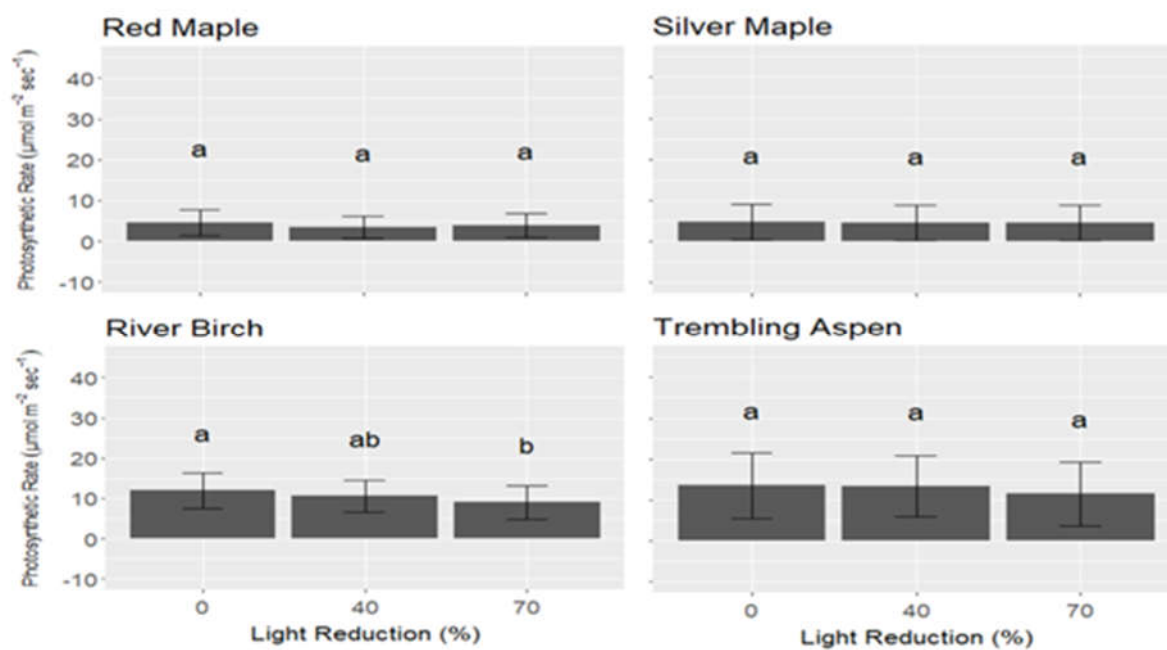


Figure S5. Estimated marginal mean photosynthetic rate at each light reduction treatment level for 4 of the 12 sample species (species with significant interactions between the treatment factors are not shown). Lowercase letters indicate significant differences among light reduction treatments in panels with significant treatment effects ($p < 0.1$). There were no significant light reduction treatment by water table depth or sample date interaction effects for these species. Error bars represent 90% confidence intervals.

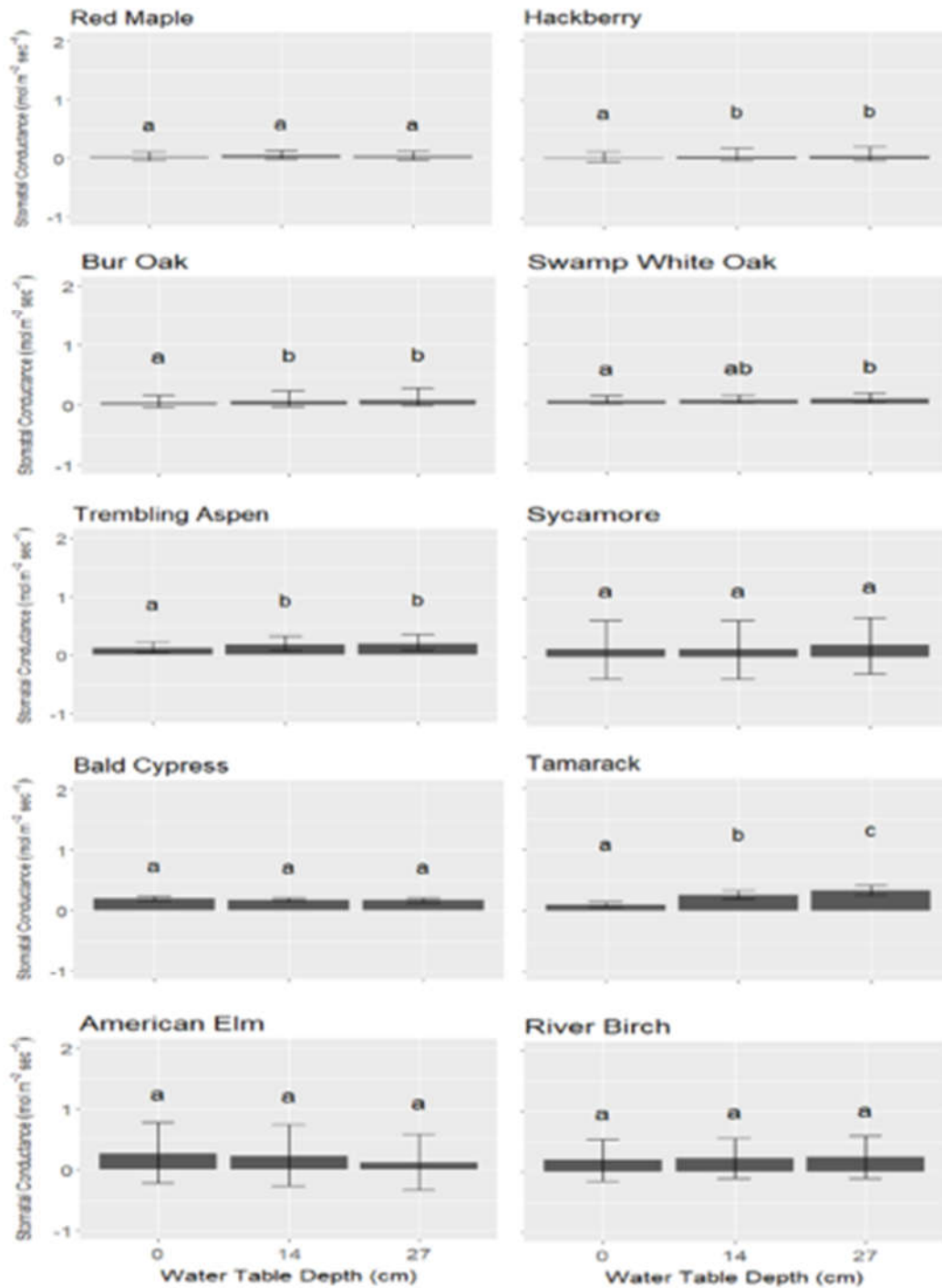


Figure S6. Estimated marginal mean stomatal conductance rate at each water table depth treatment level for 10 of the 12 sample species (species with significant interactions between the treatment factors are not shown). Lowercase letters indicate significant differences among water table depth treatments in panels with significant treatment effects ($p < 0.1$). There were no significant water table depth treatment by light reduction or sample date interaction effects for these species. Error bars represent 90% confidence intervals.

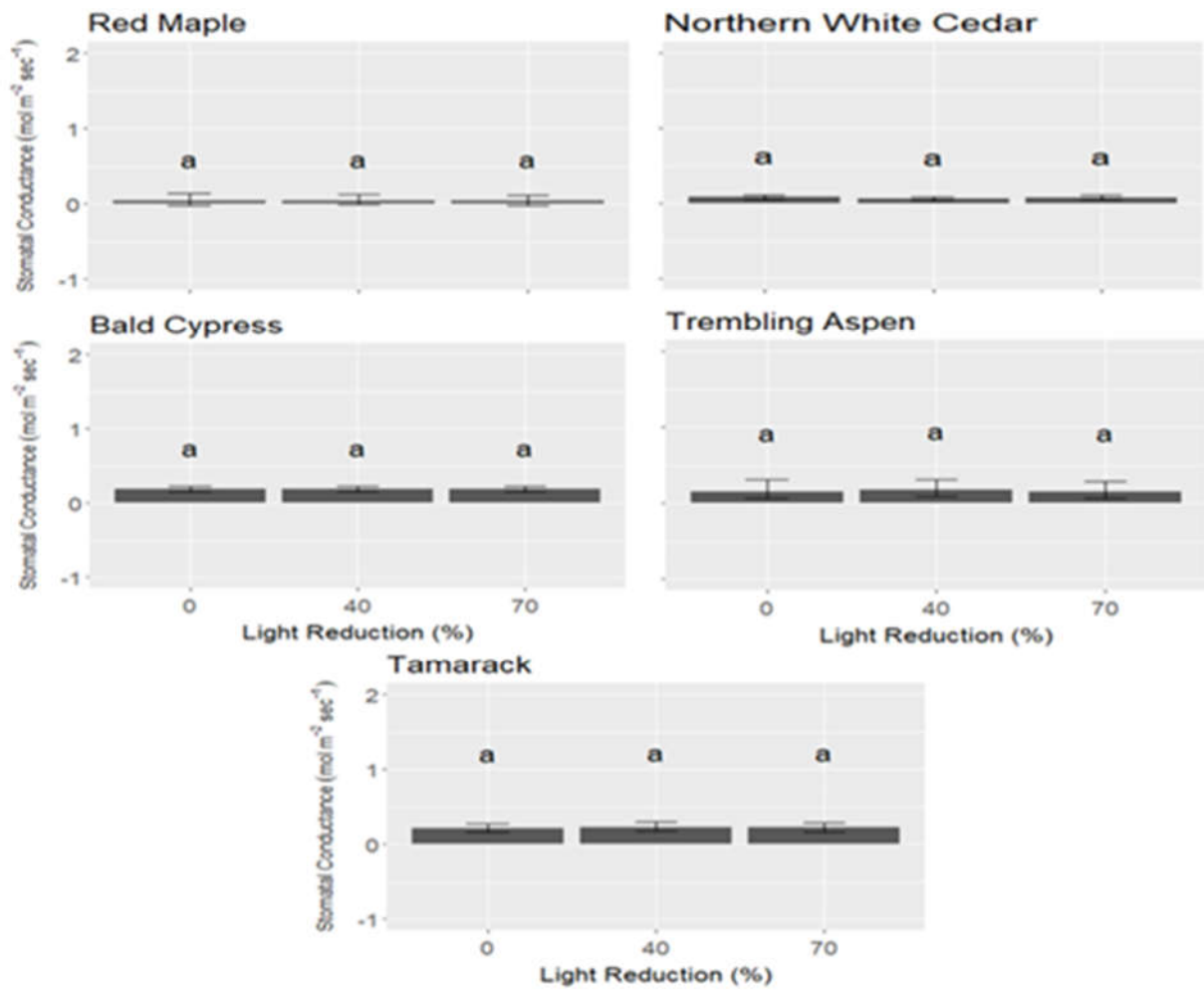


Figure S7. Estimated marginal mean stomatal conductance rate at each light reduction treatment level for 5 of the 12 sample species (species with significant interactions between the treatment factors are not shown). Lowercase letters indicate significant differences among light reduction treatments in panels with significant treatment effects ($p < 0.1$). There were no significant light reduction treatment by water table depth or sample date interaction effects for these species. Error bars represent 90% confidence intervals.

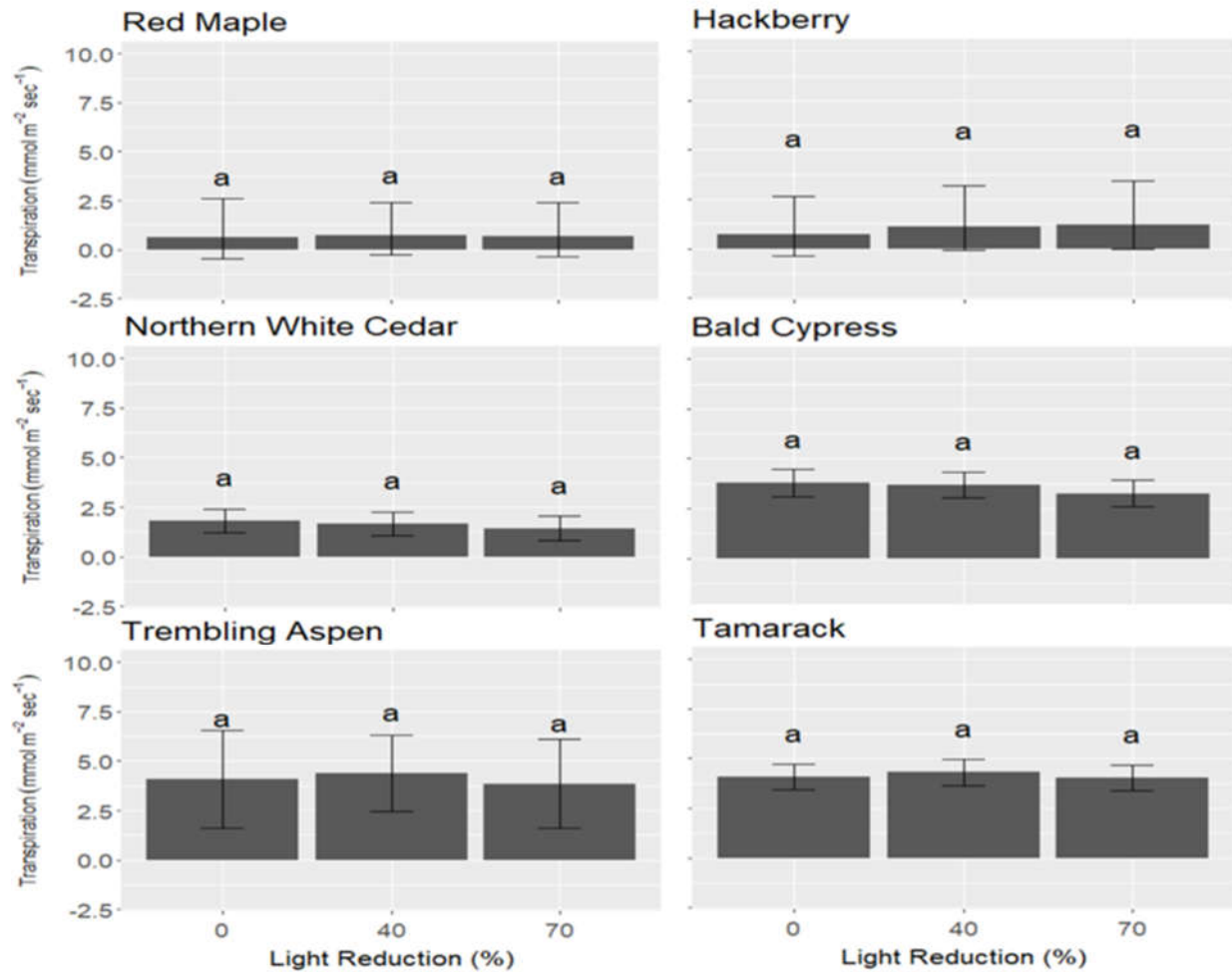


Figure S8. Estimated marginal mean transpiration rate at each light reduction treatment level for 6 of the 12 sample species (species with significant interactions between the treatment factors are not shown). Lowercase letters indicate significant differences among light reduction treatments in panels with significant treatment effects ($p < 0.1$). There were no significant light reduction treatment by water table depth or sample date interaction effects for these species. Error bars represent 90% confidence intervals.