

FIA	Common Name	Current IV		DISTRIB Results (suitable habitat)									Change Class		Modifying Factors								
		Current		Modeled IV						Future : Current						PCM B1	GFDL A1FI	Positive Traits	Negative Traits	DistFact	BioFact	Adapt	
		FIA IV	Modeled	2010 - 2039		2040 - 2069		2070 - 2099		2010 - 2039		2040 - 2069		2070 - 2099									
		PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI						
951	American basswood	35	44	31	63	34	109	40	133	0.71	1.43	0.77	2.48	0.91	3.02	No change	Large increase	COL	FTK	0.31	0.16	4.6	
531	American beech	434	553	527	483	483	409	487	328	0.95	0.87	0.87	0.74	0.88	0.59	No change	Small decrease	COL	INS FTK	-1.14	0.03	3.6	
421	American chestnut	19	8	9	7	9	4	11	4	1.13	0.88	1.13	0.50	1.38	0.50	No change	No change	COL	DISE FTK	0.13	0.3	4.5	
972	American elm	130	166	157	268	166	319	204	388	0.95	1.61	1.00	1.92	1.23	2.34	Small increase	Large increase	EHS	DISE INS	-0.8	0.3	4.0	
591	American holly	7	3	5	8	5	40	5	48	1.67	2.67	1.67	13.33	1.67	16.00	No change	Small increase	COL EHS	FTK	-0.1	0.47	4.5	
391	American hornbeam:musclew	58	105	103	113	106	130	115	139	0.98	1.08	1.01	1.24	1.10	1.32	No change	Small increase	COL SES	FTK DRO	0.56	0.62	5.1	
935	American mountain-ash	4	0	1	0	0	0	0	0	0.25	0.00	0.00	0.00	0.00	0.00	No change	No change		FTK COL EHS	-0.23	-1.62	3.1	
43	Atlantic white-cedar	21	26	28	27	27	23	29	22	1.08	1.04	1.04	0.89	1.12	0.85	No change	No change	DISP	FTK DRO EHS	-0.61	-1.21	3.0	
221	Baldcypress	0	10	18	31	18	40	30	66	1.80	3.10	1.80	4.00	3.00	6.60	New habitat	New habitat	DISP	FTK	0.38	-1.02	3.9	
12	Balsam fir	141	278	163	94	115	67	104	72	0.59	0.34	0.41	0.24	0.37	0.26	Large decrease	Large decrease	COL	INS FTK DRO	-3	-0.35	2.7	
741	Balsam poplar	1	6	0	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00	0.17	Large decrease	Large decrease	FRG VRE	COL DRO	0.13	-0.59	4.0	
816	Bear oak:scrub oak	1	10	7	9	8	9	8	9	0.70	0.90	0.80	0.90	0.80	0.90	No change	No change	FRG VRE	COL FTK	1.04	-0.81	4.6	
743	Bigtooth aspen	114	149	125	134	132	64	133	28	0.84	0.90	0.89	0.43	0.89	0.19	No change	Large decrease	FRG DISP	COL DRO FTK	1.01	0.16	5.1	
402	Bitternut hickory	20	3	13	68	12	121	23	129	4.33	22.67	4.00	40.33	7.67	43.00	Small increase	Large increase		DRO COL	2.17	-0.83	5.6	
543	Black ash	23	50	27	46	23	18	26	20	0.54	0.92	0.46	0.36	0.52	0.40	Small decrease	Large decrease		INS COL DISP DRO SES FTK ESP	-1.31	-3	1.7	
762	Black cherry	396	460	477	538	500	448	513	423	1.04	1.17	1.09	0.97	1.12	0.92	No change	No change	DRO EHS	INS FTK COL	-1.56	-0.32	3.0	
408	Black hickory	0	0	0	6	0	160	0	335	NA	New	NA	New	NA	New	NA	New habitat		EHS COL	1.04	-2.27	4.1	
901	Black locust	25	48	64	113	78	172	98	232	1.33	2.35	1.63	3.58	2.04	4.83	Large increase	Large increase		COL INS	0	-0.59	3.8	
837	Black oak	454	447	515	571	546	681	559	775	1.15	1.28	1.22	1.52	1.25	1.73	Small increase	Small increase	DRO EHS	INS DISE	0.51	0.42	4.9	
95	Black spruce	1	14	6	0	3	0	0	0	0.43	0.00	0.21	0.00	0.00	0.00	Large decrease	Large decrease	DISP	FTK INS DRO	-2.14	1.24	4.3	
602	Black walnut**	0	9	10	92	46	161	67	179	1.11	10.22	5.11	17.89	7.44	19.89	New habitat	New habitat	SES	COL DRO	0.35	-0.83	4.0	
922	Black willow	5	13	10	78	11	109	26	154	0.77	6.00	0.85	8.39	2.00	11.85	Small increase	Large increase		COL FTK DRO	-0.31	-2.13	2.8	
693	Blackgum	36	51	95	106	114	166	129	191	1.86	2.08	2.24	3.26	2.53	3.75	Large increase	Large increase	COL	FTK	1.46	0.83	5.9	
824	Blackjack oak	0	1	1	7	2	101	3	227	1.00	7.00	2.00	101.00	3.00	227.00	NA	New habitat	DRO SES	FRG VRE COL FTK	1.56	0.21	5.6	
313	Boxelder	3	9	8	27	9	15	12	35	0.89	3.00	1.00	1.67	1.33	3.89	No change	No change		TGR FTK	2.39	2.06	7.4	
823	Bur oak	1	0	0	9	0	22	0	42	0.00	9.00	0.00	22.00	0.00	42.00	No change	Small increase	DRO	FTK	2.77	-0.16	6.4	
601	Butternut	14	8	11	9	9	4	11	3	1.38	1.13	1.13	0.50	1.38	0.38	No change	No change		FTK COL DRO DISE	-1.41	-1.27	2.3	
973	Cedar elm	0	0	0	0	0	0	0	49	NA	NA	NA	NA	NA	New	NA	New habitat		DISE	-0.27	-1.17	3.3	
813	Cherrybark oak	0	1	2	3	3	3	2	30	2.00	3.00	3.00	3.00	2.00	30.00	NA	New habitat		INS FTK	-0.51	0.06	3.9	
832	Chestnut oak	64	127	169	178	199	242	217	225	1.33	1.40	1.57	1.91	1.71	1.77	Small increase	Small increase	SES VRE	EHS FTK INS DISE	1.39	1.29	6.1	
826	Chinkapin oak	0	0	0	3	0	55	0	80	NA	NA	NA	New	NA	New	NA	New habitat		TGR	1.18	-0.66	4.8	
763	Chokecherry	43	37	31	24	25	6	29	2	0.84	0.65	0.68	0.16	0.78	0.05	Small decrease	Large decrease		COL	0.18	-0.86	3.8	
521	Common persimmon	0	0	0	48	1	269	8	456	NA	New	NA	New	New	New	New habitat	New habitat	COL	EHS INS COL DISE	1.18	0.95	5.8	
742	Eastern cottonwood	22	26	20	134	20	185	39	243	0.77	5.15	0.77	7.12	1.50	9.35	Small increase	Large increase		TGR FTK	0.22	-0.75	3.9	

FIA	Common Name	Current IV		Modeled IV						DISTRIB Results (suitable habitat)						Change Class		Modifying Factors						
		Current		2010 - 2039		2040 - 2069		2070 - 2099		2010 - 2039		2040 - 2069		2070 - 2099		PCM B1	GFDL A1FI	Positive Traits	Negative Traits	DistFact	BioFact	Adapt		
		FIA IV	Modeled	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI									
261	Eastern hemlock	899	785	770	646	654	426	643	363	0.98	0.82	0.83	0.54	0.82	0.46	No change	Large decrease	COL	INS DRO	-1.34	-0.88	2.7		
701	Eastern hophornbeam	100	149	123	153	127	194	139	270	0.83	1.03	0.85	1.30	0.93	1.81	No change	Small increase	COL EHS	TGR	1.72	1.29	6.4		
471	Eastern redbud	0	1	1	31	14	106	24	184	1.00	31.00	14.00	106.00	24.00	184.00	New habitat	New habitat			0.9	-0.03	4.9		
68	Eastern red cedar	71	108	179	352	233	591	269	674	1.66	3.26	2.16	5.47	2.49	6.24	Large increase	Large increase	DRO	FTK COL INS	0.56	-1.48	3.9		
129	Eastern white pine	1806	1579	1382	1054	1213	672	1145	595	0.88	0.67	0.77	0.43	0.73	0.38	Small decrease	Large decrease	DISP	DRO FTK INS	-1.97	0.13	3.3		
491	Flowering dogwood	34	57	106	192	158	323	188	364	1.86	3.37	2.77	5.67	3.30	6.39	Large increase	Large increase	COL		0.07	0.95	5.0		
379	Gray birch	192	198	181	173	167	149	162	154	0.91	0.87	0.84	0.75	0.82	0.78	No change	Small decrease	DISP EHS	FTK COL INS	DISE		-1.14	0.03	3.6
544	Green ash	11	10	5	12	5	21	9	82	0.50	1.20	0.50	2.10	0.90	8.20	No change	Large increase		INS FTK COL	-0.13	-0.25	4.0		
462	Hackberry	3	6	4	108	7	226	16	286	0.67	18.00	1.17	37.67	2.67	47.67	No change	Large increase	DRO	FTK	1.66	0.3	5.7		
552	Honeylocust	3	2	2	70	3	142	7	206	1.00	35.00	1.50	71.00	3.50	103.00	No change	Small increase		COL	1.91	-0.54	5.5		
105	Jack pine**	0	22	2	13	2	1	1	0	0.09	0.59	0.09	0.05	0.05	0.00	NA	NA	DRO	COL INS	1.87	-1.24	5.2		
131	Loblolly pine	0	11	39	82	46	115	98	370	3.55	7.46	4.18	10.46	8.91	33.64	New habitat	New habitat		INS INP DRO					
409	Mockernut hickory	18	27	31	57	53	127	61	163	1.15	2.11	1.96	4.70	2.26	6.04	Large increase	Large increase		FTK	1.69	-0.28	5.4		
319	Mountain maple	4	4	4	3	3	0	4	0	1.00	0.75	0.75	0.00	1.00	0.00	No change	Large decrease	COL VRE	EHS	DRO FTK	0.8	1.48	5.9	
809	Northern pin oak	2	3	1	3	2	2	2	0	0.33	1.00	0.67	0.67	0.67	0.00	NA	NA	DRO FTK	COL	2.52	-0.56	6.0		
833	Northern red oak	1080	948	1033	954	987	678	986	545	1.09	1.01	1.04	0.72	1.04	0.58	No change	Small decrease		INS	1.39	0.13	5.4		
241	Northern white-cedar	6	92	25	37	26	31	31	37	0.27	0.40	0.28	0.34	0.34	0.40	Large decrease	Large decrease	COL	FTK	-0.7	0.49	4.2		
822	Overcup oak	0	5	1	2	1	3	2	12	0.20	0.40	0.20	0.60	0.40	2.40	NA	New habitat		FTK INS DRO	-0.51	-0.95	3.2		
375	Paper birch	235	258	190	118	139	35	121	27	0.74	0.46	0.54	0.14	0.47	0.11	Large decrease	Large decrease	FRG DISP	FTK COL INS					
367	Pawpaw	0	0	2	20	15	46	14	79	NA	New	New	New	New	New	New habitat	New habitat	EHS	DRO	-1.72	0.18	3.4		
403	Pignut hickory	147	163	201	238	221	308	235	335	1.23	1.46	1.36	1.89	1.44	2.06	Small increase	Large increase	COL	DRO	-0.48	-0.32	3.7		
761	Pin cherry	61	57	52	52	42	36	46	50	0.91	0.91	0.74	0.63	0.81	0.88	No change	No change	SES FRG	FTK	COL	0.45	-0.68	4.2	
830	Pin oak	2	7	15	59	24	110	39	136	2.14	8.43	3.43	15.71	5.57	19.43	Small increase	Large increase		FTK COL INS					
126	Pitch pine	141	105	131	135	135	117	136	120	1.25	1.29	1.29	1.11	1.30	1.14	Small increase	No change		COL INS	0.56	-1.79	3.8		
128	Pond pine**	0	3	5	7	4	4	6	12	1.67	2.33	1.33	1.33	2.00	4.00	New habitat	New habitat		DRO COL INS					
835	Post oak	1	1	1	45	10	475	15	965	1.00	45.00	10.00	475.00	15.00	965.00	Small increase	Small increase	DRO TGR	FTK COL INS DISE	2.17	-0.59	5.7		
746	Quaking aspen	141	215	148	157	131	55	133	49	0.69	0.73	0.61	0.26	0.62	0.23	Small decrease	Large decrease	TGR FRG	EHS COL DRO FTK	0.56	0.01	4.7		
316	Red maple	3112	2964	2972	2710	2883	1789	2835	1284	1.00	0.91	0.97	0.60	0.96	0.43	No change	Large decrease	SES EHS	ESP COL					
682	Red mulberry	6	2	5	153	13	263	25	330	2.50	76.50	6.50	131.50	12.50	165.00	Small increase	Small increase	DISP		3	3	8.5		
125	Red pine	44	84	74	99	75	65	80	56	0.88	1.18	0.89	0.77	0.95	0.67	No change	Small decrease		INS COL DISP	0.86	-2.42	3.9		
97	Red spruce	109	133	99	70	77	63	75	69	0.74	0.53	0.58	0.47	0.56	0.52	Small decrease	Small decrease	EHS COL	FTK SES	-1.28	-0.62	2.9		

FIA	Common Name	Current IV		Modeled IV						DISTRIB Results (suitable habitat)						Change Class		Modifying Factors				
		Current		2010 - 2039		2040 - 2069		2070 - 2099		2010 - 2039		2040 - 2069		2070 - 2099		PCM B1	GFDL A1FI	Positive Traits	Negative Traits	DistFact	BioFact	Adapt
		FIA IV	Modeled	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI							
373	River birch	1	1	1	1	0	2	1	10	1.00	1.00	0.00	2.00	1.00	10.00	No change	Small increase	DISP FTK COL DRO	-0.45	-0.32	3.7	
977	Rock elm	0	0	0	0	0	4	0	10	NA	NA	NA	New	NA	New	—	New habitat	EHS ESP SES	-0.2	-2.61	2.8	
931	Sassafras	54	84	120	156	156	264	171	334	1.43	1.86	1.86	3.14	2.04	3.98	Large increase	Large increase	COL FTK	0.48	-0.64	4.2	
806	Scarlet oak	215	204	277	292	302	343	313	337	1.36	1.43	1.48	1.68	1.53	1.65	Small increase	Small increase	VRE EHS ESP INS DISE FTK	-0.35	0.71	4.6	
356	Serviceberry	49	63	59	58	63	51	65	46	0.94	0.92	1.00	0.81	1.03	0.73	No change	Small decrease	COL SES DRO	-0.38	0.98	4.8	
407	Shagbark hickory	83	81	105	152	116	190	129	211	1.30	1.88	1.43	2.35	1.59	2.61	Small increase	Large increase	INS FTK	-0.2	0.37	4.4	
405	Shellbark hickory	8	1	2	9	2	60	3	90	2.00	9.00	2.00	60.00	3.00	90.00	No change	Small increase	COL FTK EHS	-0.48	-0.3	3.7	
817	Shingle oak	0	0	0	25	0	92	1	116	NA	New	NA	New	NA	New	NA	New habitat	EHS COL	1.31	-0.74	4.9	
110	Shortleaf pine**	0	2	3	7	13	97	13	249	1.50	3.50	6.50	48.50	6.50	124.50	New habitat	New habitat	EHS COL INS DRO	0	-0.97	3.6	
834	Shumard oak	0	0	0	0	0	0	0	22	NA	NA	NA	NA	NA	New	NA	New habitat	DRO TGR COL	2.45	-1.02	5.8	
317	Silver maple	32	48	33	245	55	359	93	453	0.69	5.10	1.15	7.48	1.94	9.44	Small increase	Large increase	DISP COL DRO FTK	0.13	1.63	5.6	
975	Slippery elm	15	12	18	75	27	118	36	149	1.50	6.25	2.25	9.83	3.00	12.42	No change	Large increase	COL FTK DISE	0.03	0.68	4.8	
711	Sourwood	1	0	6	3	9	4	23	28	6.00	3.00	9.00	4.00	23.00	28.00	Small increase	Small increase	COL EHS	2.59	0.98	6.9	
812	Southern red oak	0	0	3	3	11	82	11	226	NA	NA	New	New	New	New	New habitat	New habitat	TGR	1.21	0.21	5.3	
315	Striped maple	62	94	69	64	56	40	54	33	0.73	0.68	0.60	0.43	0.57	0.35	Small decrease	Large decrease	COL SES DRO	0.96	0.25	5.1	
318	Sugar maple	619	745	735	782	721	760	747	681	0.99	1.05	0.97	1.02	1.00	0.91	No change	No change	COL EHS	0.86	1.34	5.8	
461	Sugarberry	0	2	2	7	2	51	3	188	1.00	3.50	1.00	25.50	1.50	94.00	NA	New habitat.	COL SES FTK	-0.17	0.64	4.6	
825	Swamp chestnut oak	1	0	1	0	0	0	1	18	1.00	0.00	0.00	0.00	1.00	18.00	No change	Small increase	TGR COL INS	1.08	-0.81	4.6	
694	Swamp tupelo	0	5	2	2	8	2	9	4	0.40	0.40	1.60	0.40	1.80	0.80	New habitat	NA	DRO FTK COL	-0.65	-1.7	2.7	
804	Swamp white oak	14	10	10	26	12	41	14	53	1.00	2.60	1.20	4.10	1.40	5.30	No change	Small increase	EHS	1.04	-0.3	4.9	
372	Sweet birch	460	440	545	468	539	358	549	294	1.24	1.06	1.23	0.81	1.25	0.67	Small increase	Small decrease	DISP FTK COL INS	-1.28	-0.32	3.2	
653	Sweetbay**	0	3	0	1	2	0	9	0	0.00	0.33	0.67	0.00	3.00	0.00	New habitat	NA	FTK INS	1.39	-0.47	5.1	
611	Sweetgum**	0	20	85	178	110	352	190	598	4.25	8.90	5.50	17.60	9.50	29.90	New habitat	New habitat	VRE EHS FTK COL DRO	-0.41	0.18	4.1	
731	Sycamore	3	2	5	15	7	69	9	121	2.50	7.50	3.50	34.50	4.50	60.50	Small increase	Small increase		1.28	-0.9	4.8	
71	Tamarack (native)	6	16	6	10	5	4	3	7	0.38	0.63	0.31	0.25	0.19	0.44	Large decrease	Large decrease	FTK COL INS	-0.48	-1.24	3.1	
819	Turkey oak	0	6	4	5	6	4	8	6	0.67	0.83	1.00	0.67	1.33	1.00	NA	NA	SES DRO TGR COL	2.62	-0.88	6.0	
132	Virginia pine	0	11	24	17	41	76	44	101	2.18	1.55	3.73	6.91	4.00	9.18	New habitat	New habitat	COL POL	0.1	-0.81	3.8	
827	Water oak	0	0	0	0	0	2	0	31	NA	NA	NA	NA	NA	New	NA	New habitat	TGR FTK COL	-0.17	-0.59	3.7	
541	White ash	553	598	635	671	632	567	667	550	1.06	1.12	1.06	0.95	1.12	0.92	No change	No change	INS FTK COL	-2.01	-0.54	2.7	
802	White oak	354	382	450	559	494	834	524	908	1.18	1.46	1.29	2.18	1.37	2.38	Small increase	Large increase	EHS ESP TGR FTK INS DISE	1.66	1	6.1	
94	White spruce	5	27	8	23	7	11	10	7	0.30	0.85	0.26	0.41	0.37	0.26	Large decrease	Large decrease	INS	0.07	-0.62	3.9	
831	Willow oak	0	1	1	1	1	21	1	67	1.00	1.00	1.00	21.00	1.00	67.00	NA	New habitat	SES TGR COL	0.63	-0.01	4.7	
971	Winged elm	1	0	0	8	0	120	3	343	0.00	8.00	0.00	120.00	3.00	343.00	No change	Small increase	INS DISE	-0.58	-0.3	3.6	
371	Yellow birch	298	298	302	247	255	184	250	167	1.01	0.83	0.86	0.62	0.84	0.56	No change	Small decrease	DISP FTK INS DISE	-1.38	-0.03	3.4	
621	Yellow-poplar	23	59	108	150	142	227	156	247	1.83	2.54	2.41	3.85	2.64	4.19	Large increase	Large increase	SES DISP EHS INP	0.13	1.26	5.3	

NE Southern Coastal

(summary of TreeAtlas results 2015-see companion file for keys to interpret)

FIA	Common Name	Current IV		DISTRIB Results (suitable habitat)						Change Class		Modifying Factors									
				Modeled IV			Future : Current														
		Current	Modeled	2010 - 2039		2040 - 2069		2070 - 2099		2010 - 2039		2040 - 2069		2070 - 2099		Positive	Negative	DistFact	BioFact	Adapt	
FIA IV	Modeled	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	PCM B1	A1FI	Traits	Traits				

**Some evidence of it in the region but very rare