

MidAtlantic Coastal Plain (#6)
(summary of TreeAtlas results 2015-see companion file for keys to interpret)
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FIA	Common Name	Current IV		DISTRIB Results (suitable habitat)												Change Class 2070-2099		Modifying Factors				
		FIA IV	Current Modeled	Modeled IV						Future : Current						PCM B1	GFDL A1FI	Positive Traits	Negative Traits	DistFact	BioFact	Adapt
				2010 - 2039		2040 - 2069		2070 - 2099		2010 - 2039		2040 - 2069		2070 - 2099								
PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI					
531	American beech	247	228	228	146	218	88	205	76	1.00	0.64	0.96	0.39	0.90	0.33	No Change	Large decrease	COL	INS FTK	-1.14	0.03	3.6
421	American chestnut	4	3	1	1	1	1	1	1	0.33	0.33	0.33	0.33	0.33	0.33	No Change	No Change	COL	DISE FTK	0.13	0.3	4.5
972	American elm	33	60	47	122	47	205	73	285	0.78	2.03	0.78	3.42	1.22	4.75	Small increase	Large increase	EHS	DISE INS	-0.8	0.3	4.0
591	American holly	235	235	258	235	283	162	266	134	1.10	1.00	1.20	0.69	1.13	0.57	No Change	Small decrease	COL EHS	FTK	-0.1	0.47	4.5
391	American hornbeam:mus	61	94	74	80	79	91	84	94	0.79	0.85	0.84	0.97	0.89	1.00	No Change	No Change	COL SES	FTK DRO	0.56	0.62	5.1
43	Atlantic white-cedar	73	58	50	38	42	35	39	32	0.86	0.66	0.72	0.60	0.67	0.55	Small decrease	Small decrease	DISP	FTK DRO EHS	-0.61	-1.21	3.0
221	Baldcypress	1	11	20	58	41	82	61	129	1.82	5.27	3.73	7.46	5.55	11.73	Large increase	Large increase	DISP	FTK	0.38	-1.02	3.9
816	Bear oak:scrub oak	23	17	15	13	13	14	13	16	0.88	0.77	0.77	0.82	0.77	0.94	Small decrease	No Change	FRG VRE	COL FTK	1.04	-0.81	4.6
743	Bigtooth aspen	20	9	3	0	2	0	1	0	0.33	0.00	0.22	0.00	0.11	0.00	Large decrease	Large decrease	FRG DISP	COL DRO FTK	1.01	0.16	5.1
402	Bitternut hickory	1	5	1	15	5	64	17	88	0.20	3.00	1.00	12.80	3.40	17.60	Large increase	Large increase	DRO	COL	2.17	-0.83	5.6
762	Black cherry	311	302	212	146	176	134	152	138	0.70	0.48	0.58	0.44	0.50	0.46	Small decrease	Large decrease	DRO EHS	INS FTK COL	-1.56	-0.32	3.0
408	Black hickory	0	12	30	136	37	249	72	244	2.50	11.33	3.08	20.75	6.00	20.33	New habitat	New habitat		EHS COL	1.04	-2.27	4.1
901	Black locust	103	88	75	74	71	23	87	5	0.85	0.84	0.81	0.26	0.99	0.06	No Change	Large decrease		COL INS	0	-0.59	3.8
837	Black oak	272	313	296	339	281	276	289	187	0.95	1.08	0.90	0.88	0.92	0.60	No Change	Small decrease	DRO EHS	INS DISE	0.51	0.42	4.9
602	Black walnut	26	52	33	51	36	27	49	6	0.64	0.98	0.69	0.52	0.94	0.12	No Change	Large decrease	SES	COL DRO	0.35	-0.83	4.0
922	Black willow	9	14	9	33	8	41	10	72	0.64	2.36	0.57	2.93	0.71	5.14	Small decrease	Large increase		COL FTK DRO	-0.31	-2.13	2.8
693	Blackgum	368	363	324	276	290	269	281	285	0.89	0.76	0.80	0.74	0.77	0.79	Small decrease	Small decrease	COL FTK		1.46	0.83	5.9
824	Blackjack oak	10	21	30	77	41	104	60	112	1.43	3.67	1.95	4.95	2.86	5.33	Large increase	Large increase	DRO SES FRG VRE	COL FTK	1.56	0.21	5.6
842	Bluejack oak	0	0	0	1	0	1	0	8	NA	NA	NA	NA	NA	New NA	New habitat				0.66	0.03	4.8
313	Boxelder	72	40	51	52	52	42	52	39	1.28	1.30	1.30	1.05	1.30	0.98	Small increase	No Change	SES DISP DRO COL TGR	FTK	2.39	2.06	7.4
973	Cedar elm	0	0	0	23	0	73	1	84	NA	New NA	New NA	NA	New NA	NA	New habitat			DISE	-0.27	-1.17	3.3
813	Cherrybark oak	6	4	15	27	22	70	24	84	3.75	6.75	5.50	17.50	6.00	21.00	Large increase	Large increase		INS FTK	-0.51	0.06	3.9
832	Chestnut oak	122	129	111	57	108	37	94	34	0.86	0.44	0.84	0.29	0.73	0.26	Small decrease	Large decrease	SES VRE EHS FTK	INS DISE	1.39	1.29	6.1
826	Chinkapin oak**	0	1	1	6	4	9	4	7	1.00	6.00	4.00	9.00	4.00	7.00	New habitat	New habitat	TGR		1.18	-0.66	4.8
521	Common persimmon	38	59	75	127	75	219	89	263	1.27	2.15	1.27	3.71	1.51	4.46	Small increase	Large increase	COL EHS		1.18	0.95	5.8
742	Eastern cottonwood	6	20	8	31	7	60	11	97	0.40	1.55	0.35	3.00	0.55	4.85	Small decrease	Large increase	TGR	INS COL DISE FTK	0.22	-0.75	3.9
261	Eastern hemlock	30	9	15	14	15	13	16	13	1.67	1.56	1.67	1.44	1.78	1.44	Small increase	Small increase	COL	INS DRO	-1.34	-0.88	2.7
701	Eastern hophornbeam	16	24	25	37	27	51	38	81	1.04	1.54	1.13	2.13	1.58	3.38	Small increase	Large increase	COL EHS TGR		1.72	1.29	6.4
68	Eastern red cedar	50	91	70	114	80	145	98	135	0.77	1.25	0.88	1.59	1.08	1.48	No Change	Small increase	DRO	FTK COL INS	0.56	-1.48	3.9
471	Eastern redbud	1	3	1	5	1	15	2	28	0.33	1.67	0.33	5.00	0.67	9.33	No Change	Large increase			0.9	-0.03	4.9
129	Eastern white pine	15	30	19	4	13	0	11	1	0.63	0.13	0.43	0.00	0.37	0.03	Large decrease	Large decrease	DISP	DRO FTK INS	-1.97	0.13	3.3
491	Flowering dogwood	132	136	129	133	129	140	132	148	0.95	0.98	0.95	1.03	0.97	1.09	No Change	No Change	COL		0.07	0.95	5.0
379	Gray birch	10	4	4	4	4	4	4	6	1.00	1.00	1.00	1.00	1.00	1.50	No Change	No Change	DISP EHS	FTK COL INS DISE	-1.14	0.03	3.6
544	Green ash	16	35	26	46	22	81	29	96	0.74	1.31	0.63	2.31	0.83	2.74	No Change	Large increase		INS FTK COL	-0.13	-0.25	4.0
462	Hackberry	2	13	4	17	5	29	13	45	0.31	1.31	0.39	2.23	1.00	3.46	No Change	Large increase	DRO	FTK	1.66	0.3	5.7
552	Honeylocust**	0	1	0	2	0	2	0	17	0.00	2.00	0.00	2.00	0.00	17.00	NA	New habitat		COL	1.91	-0.54	5.5
820	Laurel oak**	0	0	0	1	5	12	10	30	NA	NA	New	New	New	New	New habitat	New habitat	COL TGR	FTK	0.18	0.13	4.5
131	Loblolly pine	329	355	464	545	591	669	574	810	1.31	1.54	1.67	1.89	1.62	2.28	Small increase	Large increase	EHS	INS INP DRO COL	-0.51	-0.66	3.4
121	Longleaf pine**	0	2	0	2	4	11	42	16	0.00	1.00	2.00	5.50	21.00	8.00	New habitat	New habitat	FTK	COL	0.96	-1.74	4.2
409	Mockernut hickory	48	78	53	55	50	65	52	94	0.68	0.71	0.64	0.83	0.67	1.21	Small decrease	Small increase		FTK	1.69	-0.28	5.4
452	Northern catalpa	12	1	5	5	5	4	5	5	5.00	5.00	5.00	4.00	5.00	5.00	Small increase	Small increase		COL EHS	0.93	-1.58	4.2
833	Northern red oak	132	180	140	115	134	114	130	69	0.78	0.64	0.74	0.63	0.72	0.38	Small decrease	Large decrease		INS	1.39	0.13	5.4

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PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI	PCM B1	GFDL A1FI					
641	Osage-orange**	0	1	1	2	1	1	1	6	1.00	2.00	1.00	1.00	1.00	6.00	NA	New habitat	EHS ESP		2.32	0.33	6.3
822	Overcup oak**	0	1	0	9	1	48	3	66	0.00	9.00	1.00	48.00	3.00	66.00	NA	New habitat		FTK INS DRO	-0.51	-0.95	3.2
367	Pawpaw	9	23	9	7	6	1	11	1	0.39	0.30	0.26	0.04	0.48	0.04	Large decrease	Large decrease	COL	DRO	-0.48	-0.32	3.7
404	Pecan**	0	49	0	5	2	6	6	13	0.00	0.10	0.04	0.12	0.12	0.27	NA	NA		FTK INS COL	-1.24	-1.7	2.2
403	Pignut hickory	70	100	72	90	75	98	79	101	0.72	0.90	0.75	0.98	0.79	1.01	Small decrease	No Change	EHS	INS DRO	0.22	0.4	4.7
761	Pin cherry	13	5	4	2	4	1	6	1	0.80	0.40	0.80	0.20	1.20	0.20	No Change	Large decrease	SES FRG FTK	COL	0.45	-0.68	4.2
830	Pin oak	19	20	15	44	14	40	41	50	0.75	2.20	0.70	2.00	2.05	2.50	Large increase	Large increase		FTK COL INS DISE	-0.65	-1.39	2.8
126	Pitch pine	533	402	408	331	337	341	324	362	1.02	0.82	0.84	0.85	0.81	0.90	No Change	No Change		COL INS	0.56	-1.79	3.8
128	Pond pine	6	1	5	32	5	55	21	57	5.00	32.00	5.00	55.00	21.00	57.00	Large increase	Large increase		DRO COL INS DISP	-1.06	-1.51	2.4
835	Post oak	21	64	125	211	127	351	148	358	1.95	3.30	1.98	5.48	2.31	5.59	Large increase	Large increase	DRO TGR FTK	COL INS DISE	2.17	-0.59	5.7
746	Quaking aspen	9	8	2	2	2	2	2	2	0.25	0.25	0.25	0.25	0.25	0.25	Large decrease	Large decrease	TGR FRG EHS	COL DRO FTK	0.56	0.01	4.7
316	Red maple	1317	1253	1156	943	1154	641	1096	567	0.92	0.75	0.92	0.51	0.88	0.45	No Change	Large decrease	SES EHS ESP		3	3	8.5
682	Red mulberry	9	6	8	11	7	12	10	56	1.33	1.83	1.17	2.00	1.67	9.33	No Change	Large increase	COL DISP	FTK	0.07	0.59	4.7
721	Redbay**	0	0	0	0	0	0	10	0	NA	NA	NA	NA	New	NA	New habitat	NA	INS DISP COL		2.59	-0.1	6.3
373	River birch	28	13	16	17	16	18	22	21	1.23	1.31	1.23	1.39	1.69	1.62	Small increase	Small increase	DISP	FTK COL DRO	-0.45	-0.32	3.7
977	Rock elm**	0	0	1	9	2	1	7	0	NA	New	NA	NA	New	NA	New habitat	New habitat		EHS ESP SES	-0.2	-2.61	2.8
931	Sassafras	218	239	200	176	173	103	194	95	0.84	0.74	0.72	0.43	0.81	0.40	No Change	Large decrease		COL FTK	0.48	-0.64	4.2
806	Scarlet oak	198	191	172	106	151	48	139	51	0.90	0.56	0.79	0.25	0.73	0.27	Small decrease	Large decrease	VRE EHS ESP	INS DISE FTK	-0.35	0.71	4.6
356	Serviceberry	4	0	3	1	1	1	2	0	0.75	0.25	0.25	0.25	0.50	0.00	NA	NA	COL SES	DRO	-0.38	0.98	4.8
407	Shagbark hickory	3	13	10	29	18	44	30	68	0.77	2.23	1.39	3.39	2.31	5.23	Large increase	Large increase		INS FTK	-0.2	0.37	4.4
405	Shellbark hickory**	0	1	0	5	0	9	0	18	0.00	5.00	0.00	9.00	0.00	18.00	NA	New habitat	COL	FTK EHS	-0.48	-0.3	3.7
817	Shingle oak	1	3	3	5	2	9	5	12	1.00	1.67	0.67	3.00	1.67	4.00	NA	New habitat	EHS	COL	1.31	-0.74	4.9
110	Shortleaf pine	33	60	75	96	71	175	72	212	1.25	1.60	1.18	2.92	1.20	3.53	Small increase	Large increase	EHS	COL INS DRO	0	-0.97	3.6
834	Shumard oak**	0	0	0	5	0	54	0	70	NA	New	NA	New	NA	New	NA	New habitat	DRO TGR	COL	2.45	-1.02	5.8
317	Silver maple	23	34	22	62	21	142	26	231	0.65	1.82	0.62	4.18	0.77	6.79	Small decrease	Large increase	DISP SES COL	DRO FTK	0.13	1.63	5.6
111	Slash pine	0	0	0	0	0	17	13	95	NA	NA	NA	New	New	New	New habitat	New habitat	DISP FTK	COL INS	1.14	-1.67	4.3
975	Slippery elm	7	15	8	20	11	20	17	44	0.53	1.33	0.73	1.33	1.13	2.93	No Change	Large increase	COL	FTK DISE	0.03	0.68	4.8
711	Sourwood	1	5	23	5	38	0	44	2	4.60	1.00	7.60	0.00	8.80	0.40	Large increase	No Change	COL EHS		2.59	0.98	6.9
812	Southern red oak	135	139	165	184	165	220	171	250	1.19	1.32	1.19	1.58	1.23	1.80	Small increase	Small increase	TGR		1.21	0.21	5.3
318	Sugar maple	3	119	91	127	102	45	153	8	0.77	1.07	0.86	0.38	1.29	0.07	Small increase	Large decrease	COL EHS		0.86	1.34	5.8
461	Sugarberry**	0	2	5	46	7	100	13	115	2.50	23.00	3.50	50.00	6.50	57.50	New habitat	New habitat	COL SES	FTK	-0.17	0.64	4.6
825	Swamp chestnut oak	14	8	11	17	15	15	16	7	1.38	2.13	1.88	1.88	2.00	0.88	Small increase	No Change	TGR	COL INS	1.08	-0.81	4.6
694	Swamp tupelo	3	16	20	57	53	70	132	72	1.25	3.56	3.31	4.38	8.25	4.50	Large increase	Large increase		DRO FTK COL EHS	-0.65	-1.7	2.7
804	Swamp white oak	14	10	4	5	2	4	4	6	0.40	0.50	0.20	0.40	0.40	0.60	Large decrease	Small decrease			1.04	-0.3	4.9
372	Sweet birch	9	23	5	5	5	6	6	2	0.22	0.22	0.22	0.26	0.26	0.09	Large decrease	Large decrease	DISP	FTK COL INS DISE	-1.28	-0.32	3.2
653	Sweetbay	58	62	53	59	60	56	82	62	0.86	0.95	0.97	0.90	1.32	1.00	Small increase	No Change	FTK	INS	1.39	-0.47	5.1
611	Sweetgum	701	658	714	779	773	786	798	809	1.09	1.18	1.18	1.20	1.21	1.23	Small increase	Small increase	VRE EHS	FTK COL DRO	-0.41	0.18	4.1
731	Sycamore	19	37	31	40	31	73	34	82	0.84	1.08	0.84	1.97	0.92	2.22	No Change	Large increase			1.28	-0.9	4.8
819	Turkey oak	0	0	0	1	1	0	26	8	NA	NA	NA	NA	New	New	New habitat	New habitat	SES DRO TGR	COL	2.62	-0.88	6.0
132	Virginia pine	286	271	225	132	181	105	155	97	0.83	0.49	0.67	0.39	0.57	0.36	Small decrease	Large decrease		COL POL	0.1	-0.81	3.8
401	Water hickory	0	5	1	3	0	5	1	7	0.20	0.60	0.00	1.00	0.20	1.40	NA	NA		FTK EHS	0.86	-2.04	4.0
827	Water oak	44	46	74	111	93	248	92	357	1.61	2.41	2.02	5.39	2.00	7.76	Small increase	Large increase	TGR	FTK COL	-0.17	-0.59	3.7

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691	Water tupelo	9	21	14	37	38	53	54	72	0.67	1.76	1.81	2.52	2.57	3.43	Large increase	Large increase	DRO FTK COL EHS	-0.86	-2.05	2.3	
551	Waterlocust**	0	0	0	0	0	18	0	19	NA	NA	NA	New	NA	New	NA	New habitat		0.03	-0.64	3.8	
541	White ash	164	159	116	140	145	114	156	122	0.73	0.88	0.91	0.72	0.98	0.77	No Change	Small decrease	INS FTK COL	-2.01	-0.54	2.7	
802	White oak	496	542	509	421	463	333	437	299	0.94	0.78	0.85	0.61	0.81	0.55	No Change	Small decrease	EHS ESP TGR FTK	INS DISE	1.66	1	6.1
831	Willow oak	54	57	60	105	70	160	75	189	1.05	1.84	1.23	2.81	1.32	3.32	Small increase	Large increase	SES TGR	COL	0.63	-0.01	4.7
971	Winged elm**	0	14	60	183	90	330	124	352	4.29	13.07	6.43	23.57	8.86	25.14	New habitat	New habitat	INS DISE	-0.58	-0.3	3.6	
621	Yellow-poplar	495	441	427	259	392	167	340	145	0.97	0.59	0.89	0.38	0.77	0.33	Small decrease	Large decrease	SES DISP EHS	INP	0.13	1.26	5.3

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