Upper Watts Branch Outfall Stabilization				Field Work Completed April 16th 2013 by HT & JM of CPJA												
Azalea Drive						Roots		Trunk		Branch		Twigs	Leaves	Total	Condition %	
Survey Tree#	Size (in)	CRZ (ft)	Street Tree?	Common Name	*Scientific Name*	S	H	S	H	S	H	H	H	0	0%	Notes
12000	8	12	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12001	22	33	No	White Oak	*Quercus alba*	4	4	4	4	3	3	4	4	26	81%	
12002	25	37.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12003	25	37.5	No	Red Oak	*Quercus rubra*	4	4	3	4	4	4	4	4	27	84%	
12004	26.5	39.75	No	Tulip Poplar	*Liriodendron tulipifera*	4	3	4	4	4	4	4	4	27	84%	
12005	25	37.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	3	4	4	4	27	84%	
12006	23	34.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	3	4	4	4	27	84%	
12007	6	9	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12008	8	12	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	BD
12009	24.5	36.75	No	White Oak	*Quercus alba*	2	2	4	4	4	4	4	4	24	75%	UC
12010	14	21	No	Bitternut Hickory	*Carya cordiformis*	4	4	4	3	4	4	4	4	27	84%	
12011	27	40.5	No	Tulip Poplar	*Liriodendron tulipifera*	2	3	4	4	4	4	4	4	25	78%	UC
12012	12	18	No	Black Cherry	*Prunus serrotina*	4	2	3	1	2	2	2	3	16	50%	
12013	6	9	No	Black Cherry	*Prunus serrotina*	4	2	3	3	3	2	3	4	20	63%	
12014	27	40.5	No	White Oak	*Quercus alba*	3	3	4	4	4	4	4	4	26	81%	UC
12015	6	9	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	UC
12016	6.5	9.75	No	Red Maple	*Acer rubrum*	3	3	4	4	4	4	4	4	26	81%	UC
12017	24	36	No	Red Oak	*Quercus rubra*	3	3	4	4	4	4	4	4	26	81%	UC
12018	9	13.5	No	Red Oak	*Quercus rubra*	4	4	4	4	4	4	4	4	28	88%	
12019	18	27	No	American Beech	*Fagus grandifolia*	3	3	2	2	2	2	4	4	18	56%	Hollow
12020	7	10.5	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12021	30.5	45.75	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12022	12	18	No	Bitternut Hickory	*Carya cordiformis*	3	3	4	4	4	4	4	4	26	81%	UC
12023	27	40.5	No	Tulip Poplar	*Liriodendron tulipifera*	3	3	4	4	4	4	4	4	26	81%	UC
12024	19.5	29.25	No	Tulip Poplar	*Liriodendron tulipifera*	3	3	3	3	3	3	4	4	22	69%	
12025	19	28.5	No	White Oak	*Quercus alba*	3	4	4	4	4	4	4	4	27	84%	
12026	6	9	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	UC
12027	7.5	11.25	No	Bitternut Hickory	*Carya cordiformis*	4	4	4	4	4	4	4	4	28	88%	
12028	27	40.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12029	6	9	No	Red Maple	*Acer rubrum*	4	4	4	4	4	4	4	4	28	88%	BL
12030	31	46.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12031	8	12	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12032	9.5	14.25	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12033	18	27	No	American Beech	*Fagus grandifolia*	3	3	4	4	4	4	4	4	26	81%	UC
12034	12	18	No	American Beech	*Fagus grandifolia*	2	2	4	4	4	4	4	4	24	75%	UC
12035	6.5	9.75	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12036	14	21	No	Red Oak	*Quercus rubra*	4	4	4	4	4	4	4	4	28	88%	
12037	27.5	41.25	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12038	19	28.5	No	Bitternut Hickory	*Carya cordiformis*	4	4	4	4	4	4	4	4	28	88%	
12039	18	27	No	Red Oak	*Quercus rubra*	3	3	4	4	4	4	4	4	26	81%	UC
12040	18.5	27.75	No	Bitternut Hickory	*Carya cordiformis*	4	4	3	2	3	2	4	4	22	69%	BB
12041	10.5	15.75	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12042	6	9	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12043	16	24	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12044	8	12	No	American Beech	*Fagus grandifolia*	3	3	4	4	4	4	4	4	26	81%	UC
12045	29	43.5	No	Tulip Poplar	*Liriodendron tulipifera*	3	3	4	4	4	4	4	4	26	81%	UC, In Channel
12046	10.5	15.75	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12047	27.5	41.25	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12048	21.5	32.25	No	American Beech	*Fagus grandifolia*	3	2	4	4	4	4	4	4	25	78%	UC
12049	20	30	No	Tulip Poplar	*Liriodendron tulipifera*	2	2	4	4	4	4	4	4	24	75%	UC
12050	17.5	26.25	No	Pignut Hickory	*Carya glabra*	3	2	4	4	4	4	4	4	25	78%	UC
12051	27.5	41.25	No	Tulip Poplar	*Liriodendron tulipifera*	2	3	4	4	4	4	4	4	25	78%	UC
12052	18.5	27.75	No	American Beech	*Fagus grandifolia*	2	2	2	3	2	3	4	4	18	56%	U, C
12053	31	46.5	No	White Oak	*Quercus alba*	3	3	3	3	3	4	4	4	23	72%	BD, BB
12054	11	16.5	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12055	13	19.5	No	Red Maple	*Acer rubrum*	4	4	4	4	4	4	4	4	28	88%	
12056	18	27	No	Red Oak	*Quercus rubra*	2	2	2	3	4	4	4	4	21	66%	UC, L
12057	10	15	No	Red Maple	*Acer rubrum*	1	1	1	1	1	1	4	4	10	31%	SL
12058	22.5	33.75	No	American Beech	*Fagus grandifolia*	1	1	3	3	4	4	4	4	20	63%	SUC
12059	6	9	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	Twin
12060	11	16.5	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	

Upper Watts Branch Outfall Stabilization				Field Work Completed April 16th 2013 by HT & JM of CPJA												
Azalea Drive						Roots		Trunk		Branch		Twigs	Leaves	Total	Condition %	
Survey Tree#	Size (in)	CRZ (ft)	Street Tree?	Common Name	*Scientific Name*	S	H	S	H	S	H	H	H	0	0%	Notes
12061	8	12	No	DEAD		0	0	0	0	0	0	0	0	0	0%	
12062	9.5	14.25	No	American Beech	*Fagus grandifolia*	4	4	3	3	4	4	4	4	26	81%	
12063	16.5	24.75	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12064	24	36	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12065	16.5	24.75	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12066	9.5	14.25	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12067	6	9	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12068	16	24	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12069	22.5	33.75	No	American Beech	*Fagus grandifolia*	4	4	2	2	2	3	4	4	21	66%	
12070	24	36	No	American Beech	*Fagus grandifolia*	3	4	2	2	2	2	4	4	19	59%	Hole in Trunk, Oozing
12071	6	9	No	American Beech	*Fagus grandifolia*	3	3	2	2	2	2	4	4	18	56%	C
12072	14	21	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	C
12073	31	46.5	No	Tulip Poplar	*Liriodendron tulipifera*	1	1	4	4	3	4	4	4	21	66%	UC
12074	7.5	11.25	No	Red Maple	*Acer rubrum*	4	4	4	4	4	4	4	4	28	88%	
12075	15	22.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12076	15	22.5	No	Tulip Poplar	*Liriodendron tulipifera*	2	2	2	2	2	2	4	4	16	50%	Beaver Damage
12077	21.5	32.25	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12078	18	27	No	Tulip Poplar	*Liriodendron tulipifera*	3	4	4	4	4	4	4	4	27	84%	
12079	6	9	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	3	4	4	4	4	4	27	84%	L
12080	14	21	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12081	10	15	No	American Sycamore	*Platanus occidentalis*	4	4	4	4	4	4	4	4	28	88%	C
12082	7	10.5	No	Green Ash	*Fraxinus pennsylvanica*	2	2	4	4	4	4	4	4	24	75%	UC
12083	7	10.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	2	3	4	4	4	4	25	78%	BD
12084	7	10.5	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12085	16.5	24.75	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	UC
12086	6.5	9.75	No	Siberian Elm	*Ulmus pumila*	4	4	4	4	4	4	4	4	28	88%	
12087	18	27	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	4	4	4	4	4	4	28	88%	
12088	19	28.5	No	Tulip Poplar	*Liriodendron tulipifera*	3	3	2	2	3	3	4	4	20	63%	C, TD
12089	7	10.5	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12090	9	13.5	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12091	25	37.5	No	American Beech	*Fagus grandifolia*	4	4	4	4	4	4	4	4	28	88%	
12092	13	19.5	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12093	23.5	35.25	No	Pignut Hickory	*Carya glabra*	4	4	4	4	4	4	4	4	28	88%	
12094	12.5	18.75	No	Tulip Poplar	*Liriodendron tulipifera*	4	4	3	3	4	4	4	4	26	81%	
55201	24	36	No	Tulip Poplar	*Liriodendron tulipifera*	1	1	2	2	2	3	4	4	19	59%	UC, L, OTHERSIDE OF STF

L = Leaning
SL = Severe Leaning
BD = Basal Damage
V = Vines
C = Crooked
BB = Broken Branches
UC = Under Cut
SUC = Severe Undercut
BL = Broken Leader
RD = Root Damage
TD = Trunk Damage