

Plot 4a-1 Arthurs Brook. Thinned in 1930, rectangular plot established in 1931, size is 7705 square feet (approx. 10
Latitude- 41 24 14.98780 W
Longitude- 74 01 12.13563 N
Tree number- unique number assigned to each tree and painted on bark
Species- RO (red oak, *Quercus rubra*), CO (chestnut oak, *Quercus prinus*), SO (scarlet oak, *Quercus coccinea*), I
Coordinates- measured in feet from plot corner
Ingrowthyr- year when ingrowth was first recorded
Censinyr- left censored yr (present in plot when first sampled)
Deathyr- year when death was first recorded
Censoryr- right censoring (e.g., cut down)
Diameter at breast height- trunk diameter in inches rounded to the nearest tenth. Measured with diameter tape at p
Height- vertical distance in feet from ground to live top as measured with clinometer or laser rangefinder
Canopy class- d= dominant, c= codominant, i= intermediate, s= suppressed (or overtopped)
Selected references: Tryon, H.H. 1939. Ten-year progress report 1928 - 1938. Black Rock Forest Bulletin No. 10, C

100 feet by 108 feet minus stream area, but eastern edge is much shorter).

BO (black oak, *Quercus velutina*), WO (white oak, *Quercus alba*), SM (sugar maple, *Acer saccharum*), RM (red m.

Painted line on all live trees 0.5 inches or greater dbh at line, generally after July 15 of each year to represent end of

Cornwall, NY. Lorimer, C.G. 1981. Survival and growth of understory trees in oak forest of the Hudson Highlands, N

apple, *Acer rubrum*), MW (moosewood, *Acer pensylvanicum*), BB (black birch, *Betula lenta*), GB (gray birch, *Betula*

year measurement, sometimes measured as late as spring of following year (9/14/31, 7/14/36, 10/16/41, 5/17/46, 1

lew York. Canadian Journal of Forest Research 11: 689-695. Schuster, W.S.F., K.L. Griffin, H. Roth, M.H. Turnbull,

populifolia), YB (yellow birch, *Betula allagheniensis*), PH (pignut hickory, *Carya glabra*), SH (shagbark hickory, *Ca*

2/15/54, 7/21/61, 9/23/65, 7/24/73, 8/1/79, 5/24/84, 10/30/89, 8/23/93, 11/5/94, 7/6/95, 7/29/96, 8/7/97, 7/21/98, 7/2

D. Whitehead and D.T. Tissue. 2008. Changes in composition, structure, and aboveground biomass over seventy-

Liriodendron ovata), BA (basswood, *Tilia americana*), CH (American chestnut, *Castanea dentata*), HM (eastern hemlock, *T*

0/99, 4/10/01, 8/7/01, 8/12/02, 8/1/03, 7/21/04, 6/6/06, 12/06, ?/ 07, ?/ 08, 11/09, ?/10, 11/11/11, ?/12, 8/29/13, 9/9/1

-six years (1930-2006) in the Black Rock Forest, Hudson Highlands, southeastern New York State. Tree Physiolog

suga canadensis), SB (shadbush, *Amelanchier canadensis*), WA (white ash, *Fraxinus americana*), BG (black gum

4)

gy 28: 537-549. Cohen, J. E., M. Xu, and W.S.F. Schuster. 2013. Stochastic multiplicative population growth predict:

i, *Nyssa sylvatica*), BE (American beech, *Fagus grandifolia*), BC (black cherry, *Prunus serotina*), DW (dogwood, C

s and interprets Taylor's power law of fluctuation scaling. Proceedings of the Royal Society B 280: 1757 (2012-2955

ornus florida), AL (alder, *Alnus rug*

i).

Arthur's Brook 4a-1 Thinned

TREE #	SPECIES	coordinates		1931	1936	1941	1945	1954	1961	1965	1973	1979	1983	1989	1993	1994	1995	1996	1997
		x	y																
5	CO	23.5	89.5	8.8	9.5	10.7	11.4	12.8	13.9	14.3	15.3	16.3	16.7	17.6	18.3	18.4	18.5	18.6	18.8
6	BB	25.0	85.0	3.6	4.2	4.9	5.3	6.1	6.8	7.3	8.1	8.5	8.6	8.7	8.9	9.0	9.0	9.0	9.2
7	YB	37.0	97.0	3.4	3.8	4.7	5.4	6.2	6.9	7.4	8.3	8.8	9.3	9.9	10.2	10.3	10.3	10.3	10.4
8	CO	47.0	103.5	7.2	7.8	8.5	9.1	9.5	10.4	10.8	11.4	12.0	12.3	12.7	13.1	13.2	13.3	13.4	13.5
9	BB	68.5	102.5	4.7	5.2	5.9	6.3	7.3	7.9	8.2	8.8	9.3	9.6	10.2	10.8	11.0	11.1	11.2	11.4
12	CO	103.0	85.5	3.3	4.1	5.0	5.8	6.7	7.5	7.8	8.3	8.9	9.2	9.7	10.1	10.1	10.3	10.4	10.4
13	BB	102.0	74.0	4.0	4.5	5.2	5.6	6.4	6.8	6.9	7.3	7.5	7.6	7.8	8.0	8.0	8.1	8.1	8.2
15	CO	88.5	70.0	5.3	6.0	7.3	8.0	9.3	10.2	10.7	11.5	12.4	12.7	13.2	13.4	13.5	13.6	13.8	13.8
17	YB	71.5	84.0	4.1	4.8	5.1	5.3	5.4	5.6	5.7	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1
18	YB	70.5	85.0	4.2	4.6	5.2	5.6	6.2	6.5	6.8	7.3	7.6	7.8	8.1	8.4	8.5	8.5	8.5	8.5
20	BB	55.0	89.0	6.1	6.4	6.7	6.8	7.0	7.6	7.7	7.9	8.0	8.1	8.2	8.4	8.4	8.4	8.4	8.5
24	RM	42.5	61.0	4.3	4.6	5.2	5.7	6.6	7.4	8.1	9.4	10.7	11.0	11.3	11.7	11.8	11.9	12.0	12.1
26	RM	31.5	51.0	4.0	4.3	4.7	5.0	5.7	6.3	6.6	7.1	7.4	7.6	7.9	8.1	8.2	8.2	8.2	8.3
36	YB	16.0	43.5	7.6	7.6	8.3	8.9	9.6	10.5	10.8	11.6	12.2	12.4	12.9	13.2	13.3	13.4	13.4	13.5
38	YB	34.5	42.0	6.8	7.6	8.7	9.0	9.8	10.6	10.9	11.8	12.2	12.5	12.9	13.2	13.3	13.4	13.4	13.5
41	YB	91.0	53.5	5.6	6.0	6.6	7.1	7.6	7.9	8.1	8.7	9.2	9.5	9.9	10.1	10.1	10.2	10.2	10.3
43	YB	85.5	37.0	7.6	7.8	9.0	9.6	10.7	12.0	12.4	13.3	14.0	14.4	15.0	15.5	15.7	15.9	15.9	16.0
44	SM	86.0	29.0	4.0	5.4	6.0	6.3	6.5	7.3	7.3	8.0	8.2	8.2	8.2	8.2	8.3	8.4	8.4	8.4
47	SM	43.5	26.0	2.8	3.2	3.4	3.5	3.7	3.9	4.0	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.5
50	SH	33.5	24.0	5.8	6.3	6.7	7.1	7.4	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.6	8.6
61	YB	51.5	3.0	6.4	7.1	7.5	8.0	8.7	9.5	9.9	11.3	12.3	12.9	13.7	13.9	14.0	14.0	14.0	14.1
66	SM	68.5	3.0	8.4	8.8	9.0	9.7	9.9	10.7	11.0	11.7	12.2	12.5	12.8	12.9	13.0	13.1	13.1	13.1
67	SM	98.0	12.0	5.0	5.1	5.2	5.8	6.3	7.0	7.3	8.0	8.4	8.6	8.9	9.1	9.1	9.1	9.3	9.3
69	RM	52.0	37.5						2.2	2.6	3.0	3.3	3.7	4.1	4.2	4.2	4.2	4.2	4.2
70	RM	41.5	27.0						2.6	2.7	3.0	3.1	3.2	3.3	3.3	3.3	3.3	3.3	3.3

Arthur's Brook 4a-1 Thinned

TREE #	SPECIES	coordinates		1931	1936	1941	1945	1954	1961	1965	1973	1979	1983	1989	1993	1994	1995	1996	1997
		x	y																
71	YB	33.0	22.0						2.1	2.6	3.5	3.8	4.1	4.7	4.8	4.9	5.0	5.0	5.0
72	YB	11.5	15.5						2.5	2.8	3.4	3.6	3.8	4.2	4.4	4.4	4.5	4.6	4.7
82	YB	57.5	26.0							1.9	2.5	2.9	3.0	3.3	3.5	3.5	3.5	3.5	3.5
86	YB	19.0	7.5							2.2	2.7	3.1	3.3	3.7	4.0	4.1	4.1	4.1	4.1
87	SM	53.5	11.0							2.5	3.1	3.2	3.3	3.5	3.5	3.5	3.5	3.6	3.6
89	SM	78.5	6.5							1.5	1.7	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.2
94	YB	93.5	94.5								1.5	1.8	1.9	1.9	2.0	2.1	2.2	2.2	2.2
106	SM	85.0	28.0										1.6	1.7	1.7	1.7	1.9	1.9	1.9
107	SM	85.5	25.0										1.5	1.6	1.7	1.7	1.7	1.7	1.8
113	SM	69.0	82.0												1.1	1.2	1.2	1.2	1.2
114	RM	28.0	89.0												1.1	1.1	1.1	1.1	1.1
115	SM	63.5	33.5												0.7	0.7	0.7	0.7	0.8
118	YB	100.5	3.5												1.8	1.8	1.9	2.0	2.0
119	BB	94.0	2.0												0.9	0.9	0.9	1.0	1.0
120	BB	89.5	1.5												1.4	1.5	1.5	1.6	1.6
121	BB	90.0	2.5												0.7	0.8	0.8	0.8	0.8
122	RM	86.0	2.5												0.7	0.7	0.7	0.8	0.7
225	SM	100.5	36.5								1.9	2.0	2.1	2.2	2.3	2.3	2.3	2.3	2.4

Date:

DBH (in)																			height (ft)	
1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	1998	2001
19.0	19.1	19.3	19.5	19.6	19.7	19.8	19.9	20.1	20.2	20.3	20.4	20.3	20.7	20.7	21.1	20.9	21.1	21.3	93	98
9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.6	9.8	9.9	10.0	10.0	10.1	10.3	10.3	10.4	10.4	10.5	72	70
10.6	10.6	10.6	10.7	10.7	10.9	10.9	11.0	11.0	11.0	11.5	11.5	11.5	11.4	11.6	11.6	11.7	11.9	11.9	72	73
13.6	13.6	13.8	13.8	13.9	14.0	14.1	14.1	14.2	14.4	14.5	14.5	14.6	14.6	14.7	14.8	14.9	15.0	15.0	75	78
11.7	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.2	12.1	12.2	12.4	12.4	12.4	12.5	12.6	12.4	12.4	81	77
10.5	10.7	10.7	10.8	10.8	10.9	11.1	11.2	11.3	11.5	11.5	11.6	11.7	11.7	11.9	12.0	12.1	12.2	12.2	66	78
8.3	8.3	8.4	8.4	8.5	8.7	8.7	8.9	9.0	9.1	9.2	9.4	9.4	9.5	9.7	9.8	9.9	10.1	9.9	66	60
13.9	14.0	14.1	14.2	14.3	14.5	14.6	14.7	14.9	15.3	15.2	15.3	15.5	15.4	15.5	15.7	15.8	15.9	15.9	84	86
6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.2	6.2	6.3	6.5	6.3	6.4	6.4	6.6	6.4	39	28
8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.8	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.4	9.6	9.6	9.6	78	64
8.6	8.6	8.6	8.6	8.7	8.7	8.8	8.8	8.9	9.1	9.1	9.2	9.2	9.3	9.4	9.5	9.7	9.7	9.7	72	66
12.2	12.2	12.3	12.3	12.5	12.5	12.5	12.6	12.7	12.7	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	84	82
8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.8	8.8	8.9	8.9	8.9	9.0	8.9	9.1	9.1	63	75
13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.9	14.0	14.1	14.1	14.2	14.4	14.5	14.4	14.4	14.7	14.7	14.7	93	73
13.6	13.6	13.6	13.6	13.7	13.7	13.8	13.8	13.8	13.8	13.8	14.0	14.1	14.0	14.0	14.3	14.3	14.4	14.4	93	87
10.3	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.7	10.9	11.1	11.2	11.2	11.4	11.5	11.6	11.7	11.8	11.9	81	61
16.2	16.2	16.3	16.5	16.6	16.7	16.7	16.8	16.8	17.0	17.0	17.1	17.2	17.3	17.4	18.0	17.6	17.6	17.6	75	96
8.6	8.6	8.3	8.5	8.6	8.7	8.7	8.7	8.8	8.8	8.6	8.8	8.8	8.8	8.8	9.4	8.9	9.0	9.0	39	41
4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.5	6.6	51	41
8.7	8.7	8.7	8.7	8.7	8.8	8.9	9.0	9.0	9.0	9.1	9.2	9.4	9.4	9.3	9.4	9.4	9.3	9.3	84	110
14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.5	14.6	14.6	14.4	14.5	14.6	14.6	14.7	14.5	14.9	14.8	14.8	87	67
13.3	13.3	13.3	13.3	13.4	13.4	13.5	13.5	13.6	13.7	13.8	13.8	13.9	13.9	13.9	14.1	14.2	14.3	14.5	93	80
9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.6	9.6	9.7	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	72	76
4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.7	6.8	7.1	30	35
3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.5	3.6	3.7	3.8	3.9	4.1	3.9	3.9	3.9	27	28

Date:

DBH (in)																			height (ft)	
1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	1998	2001
5.1	5.1	5.2	5.2	5.2	5.3	5.4	5.5	5.7	5.9	6.3	6.6	6.8	6.8	6.7	7.1	7.1	7.2	7.3	57	58
4.7	4.8	4.9	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	48	65
3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.9	4.1	4.2	4.3	4.3	4.4	21	25
4.2	4.2	4.2	4.2	4.2	4.4	4.4	4.5	4.7	4.9	5.1	5.2	5.5	5.7	5.9	6.1	6.3	6.6	6.8	48	51
3.6	3.6	3.6	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	30	33
2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.4	24	24
2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	3.0	3.2	2.9	12	11
1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.4	2.4	2.5	2.6	2.7	2.7	2.8	18	16
1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.6	24	18
1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.6	1.6	12	15
1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.8	12	13
0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.1	1.1	1.2	1.4	1.3	1.4	1.4	1.5	1.5	1.6	12	10
2.0	2.2	2.2	2.4	2.5	2.6	2.7	2.8	3.0	3.2	3.7	3.3	3.4	3.5	3.5	3.7	3.8	3.9	3.9	18	22
1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	9	9
1.7	1.8	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.0	3.0	3.1	15	21
0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.6	1.7	1.7	12	15
0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.1	1.1	1.2	9	8
2.4	2.4	2.5	2.4	2.4	2.6	2.6	2.6	2.7	2.8	2.8	2.8	2.8	2.9	3.0	3.0	3.0	3.2	3.1		21

t)	CC																			
2007	1931	1936	1941	1945	1954	1961	1965	1973	1979	1983	1989	1993	1994	1995	1996	1997	1998	1999	2000	2001
83	d	d	d	d	d	d	d	d	d	d				d	d	d	d	d	d	d
68	i	i	i	i	i	i	c	i	i	i				c	c	c	c	c	c	c
68	c	i	i	i	i	i	i	c	i	i				c	c	c	c	c	c	c
77	d	d	d	d	d	d	d	d	d	d				d	d	d	d	d	d	d
76	i	c	c	c	c	c	c	c	c	c				c	c	c	c	c	c	d
84	c	c	c	c	d	d	d	d	d	d				c	c	c	d	c	c	c
61	i	c	c	c	d	d	c	c	c	i				i	i	i	i	i	i/c	i
78	d	d	d	d	d	d	d	d	d	d				d	d	d	d	d	d	d
33	d	c	c	i	i	i	s	s	s	i				s	s	s	s	s	s	s
70	c	c	c	c	c	c	i	i	i	i				c	i	i	i	i	i	c
65	d	d	c	c	i	c	c	c	c	c				c	c	c	c	c	c	c
86	d	d	c	c	c	c	d	d	d	d				d	d	d	d	d	d	d
57	c	c	c	c	i	i	i	i	i	i				c	c	c	c	c	i/c	i
72	d	d	d	d	c	c	c	c	c	c				c	c	c	d	c	c	c
68	d	c	c	c	c	c	c	c	c	c				c	c	c	d	c	c	d
52	c	c	c	c	i	i	i	c	c	c				c	c	c	c	c	c	c
76	d	d	d	d	d	d	c	d	d	d				d	d	d	d	d	d	d
42	i	i	i	s	s	s	s	s	s	s				s	s	s	s	s	s/i	i
45	i	i	s	s	s	s	s	s	s	s				i	i	i	i	i	i	i
80	d	d	d	d	d	d	d	c	c	c				c	c	c	c	c	c	d
69	d	d	d	d	d	d	c	d	d	d				c	c	c	c	c	c	c
77	d	c	c	c	c	c	d	c	d	d				c	c	c	c	c	c	d
80	c	c	i	i	i	c	c	c	c	c				c	c	c	c	c	c	d
41						s	s	s	s	s				s	s	s	s	s	s	s
29						s	s	s	s	s				s	s	s	s	s	s	s

t)	CC																			
2007	1931	1936	1941	1945	1954	1961	1965	1973	1979	1983	1989	1993	1994	1995	1996	1997	1998	1999	2000	2001
54						s	s	s	s	s				i	s	i	i	s	s/i	i
54						s	s	s	s	s				i	s	i	s	s	i	i
18							s	s	s	s				s	s	s	s	s	s	s
57							s	s	s	s				i	i	i	i	i	i	i
41							s	s	s	s				s	s	s	s	s	s/i	i
23							s	s	s	s				s	s	s	s	s	s	s
12								s	s	s				s	s	s	s	s	s	s
19										s				s	s	s	s	s	s	s
20										s				s	s	s	s	s	s	s
														s	s	s	s	s	s	s
14														s	s	s	s	s	s	s
12														s	s	s	s	s	s	s
27														s	s	s	s	s	s	s
12														s	s	s	s	s	s	s
29														s	s	s	s	s	s	s
14														s	s	s	s	s	s	s
9														s	s	s	s	s	s	s
24								s	s	s				s	s	s	s	s	s	s

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	1931	1936	1941
d		d	d	d	d		d	d	d	d	d	d	d	d			
i		c	c	c	c		c	c	c	c	c	c	c	i			
i		c	c	c	s		i/c	c	c	s	i	i	i	s			
d		d	d	d	c		c	c	c	c	c	c	c	c			
c/i		c	d	d	c		c	i	c	c	c	c	c	c			
c		c	d	c	c		c	c	c	c	c	c	c	c			
i		c	c	c	s		i	i	i	i	i	i	i	i			
d		d	d	d	d		c	d	d	d	d	d	d	d			
s		i	c	s	s		s	s	s	s	s	s	s	s			
i/s		i	c	c/i	c		c	c	c	i	i	i	i	i			
i		c	c	c/i	c		c	c	i	i	d	d	i	i			
c		d	d	c/d	d		d	d	c	d	d	d	d	d			
i		c	c	c/i	c		c	c	c	s	i	i	i	s			
c		c	c	c	c		c	c	c	c	c	c	c	c			
c		c	c	c	c		c	c	c	c	c	c	c	c			
i		c	c	c/i	c		c	c	c	c	c	c	c	i			
c		d	c/d	d	d		c	d	d	d	d	d	c	c			
s		i	i	i	s		s	s	s	s	s	s	s	s			
s		i	i	i	i		i	i	i	i	i	i	i	i			
c		d	d	c	d		s	s	s	s	s	s	s	s			
i		c	c/d	c	c		i/c	c	c	c	c	c	c	c			
c		d	d	d	c		c	c	c	c	c	c	c	c			
c		c	c	c	c		c	c	c	c	c	c	c	i			
s		i	i	i	i		i	c	i	i	i	i	i	i			
s		i	s	s	s		s	s	s	s	s	s	s	s			

notes

1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
		same base as 18, top dead	same base as	dead top		dead top			
						bark peeling off			
				dead					
					73 and 77 removed from data off plot				

Observers:

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	moss, peeling at base								
	rot, exposed r	top broken	top broken				needs repaint		top broke
	rot, broken top	top broken	top broken						
	moss and lich	pinned but ok	pinned but ok						
	moss at base	topped	topped				top broken		
	knots						needs paint		
	exposed roots			needs paint line					
				top damaged					
	moss, exposed roots								
	moss, lichen								
			top gone						
			smashed	held down by trees and vines					
		top broken	top broken	top broken		top broken			
		bent and brok	bent and brok	top broken			top broken		
	roots exposed	need number,	not near 122						
	moss, lichen	top broken	top broken						

2016
needs new tag
bent top

py class seems wrong, not nearly dominant

trunk is crooked spiral!
needs new tag
needs paint
almost dead
needs paint
needs paint

