

PLOT 4A-1C

| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|-------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 1 | RM | | | | 1931 | 1945 | | 0.9 | 1.0 | 1.1 | | | | | | | | |
| 2 | RM | | | | 1931 | 1965 | | 1.6 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | | | | | |
| 3 | RO | | | | 1931 | 1973 | | 4.9 | 4.9 | 5.0 | 5.4 | 5.7 | 6.1 | 6.2 | | | | |
| 4 | RM | | | | 1931 | 1954 | | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | |
| 5 | RM | | | | 1931 | 1979 | | 3.4 | 3.6 | 3.6 | 3.7 | 3.7 | 3.8 | 3.8 | 4.0 | | | |
| 6 | YB | 26.5 | 100.0 | | 1931 | | | 4.2 | 4.4 | 4.9 | 5.1 | 5.2 | 5.6 | 5.9 | 6.6 | 7.1 | 7.5 | 8.0 |
| 7 | RO | | | | 1931 | 1941 | | 3.1 | 3.1 | | | | | | | | | |
| 8 | RM | | | | 1931 | 1961 | | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | | | | | | |
| 9 | RM | | | | 1931 | 1945 | | 1.8 | 1.8 | 1.8 | | | | | | | | |
| 10 | RM | | | | 1931 | 1945 | | 1.0 | 1.0 | 1.0 | | | | | | | | |
| 11 | RO | 58.5 | 100.0 | | 1931 | | | 5.5 | 5.9 | 6.2 | 6.7 | 7.9 | 9.0 | 9.3 | 10.0 | 11.0 | 11.6 | 12.4 |
| 12 | CO | | | | 1931 | 2003 | | 7.4 | 8.1 | 8.6 | 9.1 | 9.6 | 10.0 | 10.2 | 10.5 | 10.8 | 10.9 | 11.1 |
| 13 | BB | | | | 1931 | 1954 | | 1.7 | 1.7 | 1.7 | 1.7 | | | | | | | |
| 14 | CO | 75.0 | 104.5 | | 1931 | | | 7.3 | 7.8 | 8.4 | 8.9 | 9.8 | 10.4 | 10.6 | 11.1 | 11.4 | 11.6 | 11.9 |
| 15 | CO | 75.0 | 105.0 | | 1931 | | | 5.4 | 5.8 | 6.4 | 6.8 | 7.3 | 8.3 | 8.6 | 9.0 | 9.3 | 9.5 | 9.9 |
| 16 | RM | 83.5 | 106.5 | | 1931 | | | 3.2 | 3.2 | 3.3 | 3.4 | 3.5 | 3.7 | 3.7 | 4.5 | 5.4 | 5.7 | 6.0 |
| 17 | CO | | | | 1931 | 1983 | | 4.6 | 5.1 | 5.5 | 5.9 | 6.4 | 6.9 | 7.0 | 7.3 | 7.4 | | |
| 18 | YB | | | | 1931 | 1954 | | 4.7 | 4.8 | 5.1 | 5.4 | | | | | | | |
| 19 | BB | 96.0 | 93.0 | | 1931 | | | 3.5 | 3.7 | 3.9 | 4.0 | 4.0 | 4.2 | 4.3 | 4.5 | 4.8 | 5.1 | 5.5 |
| 20 | RM | | | | 1931 | 1965 | | 2.6 | 2.6 | 2.6 | 2.7 | 2.8 | 2.8 | | | | | |
| 21 | RM | | | | 1931 | 1936 | | 1.8 | | | | | | | | | | |
| 22 | CO | | | | 1931 | 1979 | | 6.2 | 6.8 | 7.4 | 7.6 | 8.2 | 8.6 | 8.8 | 9.2 | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 23 | BB | | | | 1931 | 1954 | | 1.5 | 1.6 | 1.6 | 1.6 | | | | | | | |
| 24 | BB | | | | 1931 | 1961 | | 1.4 | 1.5 | 1.6 | 1.6 | 1.6 | | | | | | |
| 25 | RM | | | | 1931 | 1954 | | 2.6 | 2.6 | 2.6 | 2.6 | | | | | | | |
| 26 | BB | | | | 1931 | 1954 | | 1.9 | 2.1 | 2.1 | 2.2 | | | | | | | |
| 27 | CO | | | | 1931 | 1954 | | 5.4 | 5.5 | 5.8 | 5.9 | | | | | | | |
| 28 | CO | 22.5 | 91.5 | | 1931 | | | 5.7 | 6.3 | 7.4 | 8.0 | 9.2 | 10.0 | 10.5 | 11.2 | 12.1 | 12.6 | 13.3 |
| 29 | RM | | | | 1931 | 1941 | | 1.3 | 1.3 | | | | | | | | | |
| 30 | YB | | | | 1931 | 1989 | | 2.2 | 2.3 | 2.7 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | |
| 31 | YB | | | | 1931 | 1995 | | 2.2 | 2.4 | 2.8 | 2.9 | 3.1 | 3.3 | 3.4 | 3.6 | 3.7 | 3.7 | 3.8 |
| 32 | YB | 12.0 | 82.0 | | 1931 | | | 4.1 | 4.2 | 4.5 | 4.7 | 4.7 | 4.8 | 4.9 | 5.1 | 5.2 | 5.3 | 5.4 |
| 33 | CO | | | | 1931 | 1954 | | 1.0 | 2.2 | 2.3 | 2.4 | | | | | | | |
| 34 | CO | | | | 1931 | 1965 | | 3.1 | 3.5 | 3.9 | 4.1 | 4.3 | 4.6 | | | | | |
| 35 | SM | | | | 1931 | 1936 | | 2.0 | | | | | | | | | | |
| 36 | RM | | | | 1931 | 2000 | | 2.0 | 2.0 | 2.3 | 2.3 | 3.0 | 3.5 | 3.5 | 3.7 | 3.8 | 4.2 | 4.3 |
| 37 | GB | | | | 1931 | 1936 | | 4.7 | | | | | | | | | | |
| 38 | RM | | | | 1931 | 1954 | | 1.8 | 1.9 | 1.8 | 1.9 | | | | | | | |
| 39 | RM | | | | 1931 | 1965 | | 3.0 | 3.2 | 3.3 | 3.4 | 3.4 | 3.4 | | | | | |
| 40 | RM | | | | 1931 | 1961 | | 2.9 | 3.2 | 3.2 | 3.3 | 3.4 | | | | | | |
| 41 | RM | | | | 1931 | 2000 | | 4.1 | 4.4 | 4.6 | 4.8 | 5.0 | 5.5 | 5.6 | 6.0 | 6.3 | 6.4 | 6.4 |
| 42 | RM | | | | 1931 | 1945 | | 1.4 | 1.5 | 1.5 | | | | | | | | |
| 43 | CO | | | | 1931 | 2001 | | 6.1 | 6.8 | 7.5 | 8.3 | 9.1 | 10.0 | 10.4 | 10.9 | 11.9 | 12.4 | 13.1 |
| 44 | SM | | | | 1931 | 1954 | | 1.7 | 1.9 | 2.0 | 2.0 | | | | | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 45 | RO | 39.0 | 85.5 | | 1931 | | | 5.9 | 6.6 | 7.4 | 8.1 | 9.4 | 10.4 | 10.6 | 11.0 | 11.4 | 11.8 | 12.4 |
| 46 | BB | | | | 1931 | 1965 | | 1.3 | 1.8 | 2.1 | 2.2 | 2.3 | 2.4 | | | | | |
| 47 | CO | | | | 1931 | 1945 | | 3.3 | 3.6 | 3.6 | | | | | | | | |
| 48 | CO | | | | 1931 | 1936 | | 7.5 | | | | | | | | | | |
| 49 | RM | | | | 1931 | 1945 | | 1.6 | 1.7 | 1.7 | | | | | | | | |
| 50 | RM | 52.0 | 83.5 | | 1931 | | | 2.7 | 3.0 | 3.1 | 3.3 | 3.5 | 3.8 | 3.8 | 3.8 | 4.1 | 4.5 | 4.9 |
| 51 | SM | | | | 1931 | 1973 | | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | | | |
| 52 | RO | | | | 1931 | 1941 | | 1.4 | 1.5 | | | | | | | | | |
| 53 | BB | | | | 1931 | 1954 | | 1.7 | 1.8 | 1.8 | 1.9 | | | | | | | |
| 54 | CO | | | | 1931 | 1965 | | 4.0 | 4.3 | 4.6 | 4.7 | 4.7 | 4.8 | | | | | |
| 55 | RO | | | | 1931 | 1954 | | 3.5 | 3.8 | 3.8 | 4.0 | | | | | | | |
| 56 | RO | | | | 1931 | 1945 | | 3.4 | 3.6 | 3.6 | | | | | | | | |
| 57 | RM | | | | 1931 | 1945 | | 0.8 | 0.8 | 0.8 | | | | | | | | |
| 58 | SM | | | | 1931 | 1965 | | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | |
| 59 | RM | | | | 1931 | 1965 | | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | |
| 60 | RM | | | | 1931 | 1979 | | 4.3 | 4.6 | 5.0 | 5.3 | 5.7 | 5.9 | 6.0 | 6.1 | | | |
| 61 | YB | | | | 1931 | 1954 | | 2.2 | 2.2 | 2.3 | 2.4 | | | | | | | |
| 62 | RO | | | | 1931 | 1973 | | 4.4 | 4.7 | 4.8 | 5.2 | 5.6 | 6.0 | 6.1 | | | | |
| 63 | RO | | | | 1931 | 1973 | | 5.3 | 5.4 | 5.6 | 6.0 | 6.1 | 6.4 | 6.5 | | | | |
| 64 | SM | | | | 1931 | 1961 | | 1.3 | 1.4 | 1.4 | 1.5 | 1.5 | | | | | | |
| 65 | CO | | | | 1931 | 1983 | | 6.8 | 7.8 | 8.5 | 9.1 | 10.1 | 10.8 | 11.2 | 12.1 | 13.0 | | |
| 66 | RM | | | | 1931 | 1973 | | 0.9 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 | | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 67 | BB | | | | 1931 | 1973 | | 3.2 | 3.6 | 3.8 | 3.9 | 4.0 | 4.0 | 4.1 | | | | |
| 68 | RO | | | | 1931 | 1936 | | 4.1 | | | | | | | | | | |
| 69 | RM | | | | 1931 | 1954 | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | |
| 70 | BB | | | | 1931 | 1945 | | 0.8 | 0.9 | 0.9 | | | | | | | | |
| 71 | RM | | | | 1931 | 1936 | | 1.0 | | | | | | | | | | |
| 72 | RM | | | | 1931 | 1945 | | 1.1 | 1.2 | 1.2 | | | | | | | | |
| 73 | BB | | | | 1931 | 1941 | | 1.0 | 1.1 | | | | | | | | | |
| 74 | CO | 88.5 | 70.5 | | 1931 | | | 6.5 | 7.2 | 8.0 | 8.6 | 8.8 | 9.5 | 9.9 | 10.6 | 11.6 | 12.3 | 13.1 |
| 75 | RO | | | | 1931 | 1961 | | 5.5 | 5.6 | 5.8 | 6.0 | 6.1 | | | | | | |
| 76 | RM | | | | 1931 | 1954 | | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | | |
| 77 | YB | | | | 1931 | 1961 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| 78 | RO | 74.0 | 75.0 | | 1931 | | | 5.9 | 6.3 | 6.8 | 7.6 | 8.7 | 9.7 | 10.1 | 10.8 | 11.8 | 12.5 | 13.3 |
| 79 | BB | | | | 1931 | 1954 | | 3.3 | 3.4 | 3.4 | 3.5 | | | | | | | |
| 80 | RM | | | | 1931 | 1998 | | 3.5 | 3.6 | 3.8 | 3.8 | 4.0 | 4.4 | 4.6 | 5.6 | 6.3 | 6.4 | 6.4 |
| 81 | BB | | | | 1931 | 1954 | | 2.5 | 2.7 | 2.8 | 2.9 | | | | | | | |
| 82 | BB | | | | 1931 | 1936 | | 1.5 | | | | | | | | | | |
| 83 | CO | | | | 1931 | 1936 | | 4.0 | | | | | | | | | | |
| 84 | CO | | | | 1931 | 1979 | | 6.3 | 7.0 | 7.8 | 8.8 | 9.5 | 10.2 | 10.5 | 10.8 | | | |
| 85 | CO | | | | 1931 | 1945 | | 4.1 | 4.2 | 4.3 | | | | | | | | |
| 86 | BB | 68.0 | 77.5 | | 1931 | | | 0.9 | 0.9 | 1.6 | 2.3 | 3.0 | 3.7 | 4.4 | 5.1 | 5.6 | 6.0 | 6.5 |
| 87 | RM | | | | 1931 | 1945 | | 2.3 | 2.4 | 2.4 | | | | | | | | |
| 88 | RM | | | | 1931 | 1989 | | 4.9 | 5.4 | 5.9 | 6.2 | 6.8 | 7.4 | 7.6 | 7.8 | 8.1 | 8.1 | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 89 | BB | | | | 1931 | 1954 | | 1.0 | 1.3 | 1.3 | 1.4 | | | | | | | |
| 90 | RM | | | | 1931 | 1973 | | 2.4 | 2.6 | 2.7 | 2.9 | 3.1 | 3.2 | 3.2 | | | | |
| 91 | CO | | | | 1931 | 1954 | | 4.8 | 5.1 | 5.2 | 5.4 | | | | | | | |
| 92 | BB | | | | 1931 | 1945 | | 1.3 | 1.3 | 1.3 | | | | | | | | |
| 93 | YB | | | | 1931 | 1973 | | 1.0 | 1.2 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | | | | |
| 94 | YB | | | | 1931 | 1954 | | 2.1 | 2.2 | 2.2 | 2.2 | | | | | | | |
| 95 | YB | 62.5 | 3.5 | | 1931 | 2012 | | 3.3 | 3.6 | 4.0 | 4.2 | 4.4 | 4.6 | 4.8 | 5.4 | 5.7 | 6.0 | 6.4 |
| 96 | YB | | | | 1931 | 1954 | | 2.8 | 3.0 | 3.2 | 3.3 | | | | | | | |
| 97 | SM | | | | 1931 | 1945 | | 0.9 | 0.9 | 0.9 | | | | | | | | |
| 98 | CO | | | | 1931 | 1973 | | 7.2 | 7.7 | 8.6 | 9.2 | 10.1 | 10.7 | 10.9 | | | | |
| 99 | CO | | | | 1931 | 1936 | | 4.3 | | | | | | | | | | |
| 100 | BB | 19.5 | 63.5 | | 1931 | | | 2.0 | 2.2 | 2.3 | 2.4 | 2.7 | 3.0 | 3.2 | 3.7 | 4.1 | 4.5 | 4.7 |
| 101 | BB | | | | 1931 | 1945 | | 0.9 | 0.9 | 0.9 | | | | | | | | |
| 102 | BB | | | | 1931 | 1973 | | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.8 | 1.8 | | | | |
| 103 | SM | | | | 1931 | 1961 | | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | | | | | |
| 104 | SM | | | | 1931 | 1961 | | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| 105 | CO | | | | 1931 | 1941 | | 3.5 | 3.7 | | | | | | | | | |
| 106 | RO | 68.5 | 58.5 | | 1931 | | | 6.0 | 6.3 | 6.8 | 7.3 | 8.2 | 8.9 | 9.1 | 9.6 | 10.2 | 10.7 | 11.4 |
| 107 | CO | | | | 1931 | 1936 | | 4.8 | | | | | | | | | | |
| 108 | SM | | | | 1931 | 1954 | | 1.0 | 1.1 | 1.1 | 1.1 | | | | | | | |
| 109 | RM | | | | 1931 | 1979 | | 6.0 | 6.7 | 7.4 | 8.1 | 9.3 | 10.5 | 11.2 | 12.2 | | | |
| 110 | RM | | | | 1931 | 1936 | | 1.7 | | | | | | | | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 111 | YB | | | | 1931 | 1936 | | 0.7 | | | | | | | | | | |
| 112 | YB | | | | 1931 | 1945 | | 1.0 | 1.1 | 1.1 | | | | | | | | |
| 113 | BB | | | | 1931 | 1954 | | 1.2 | 1.4 | 1.4 | 1.6 | | | | | | | |
| 114 | YB | | | | 1931 | 1945 | | 1.4 | 1.4 | 1.4 | | | | | | | | |
| 115 | RO | 76.5 | 52.5 | | 1931 | | | 9.0 | 9.4 | 10.3 | 11.0 | 12.2 | 12.7 | 12.9 | 13.3 | 13.5 | 13.8 | 14.0 |
| 116 | YB | | | | 1931 | 1983 | | 6.2 | 6.4 | 6.7 | 6.7 | 6.7 | 6.9 | 7.0 | 7.0 | 7.0 | | |
| 117 | YB | | | | 1931 | 1936 | | 5.0 | | | | | | | | | | |
| 118 | YB | 69.0 | 50.5 | | 1931 | | | 6.4 | 6.8 | 7.0 | 7.2 | 7.4 | 7.7 | 7.8 | 8.1 | 8.2 | 8.3 | 8.4 |
| 119 | YB | | | | 1931 | 1945 | | 2.3 | 2.3 | 2.3 | | | | | | | | |
| 120 | YB | | | | 1931 | 1961 | | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | | | | | | |
| 121 | YB | 54.5 | 51.0 | | 1931 | | | 3.9 | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.6 | 4.7 |
| 122 | YB | 54.5 | 51.0 | | 1931 | | | 5.2 | 5.2 | 5.2 | 5.5 | 5.5 | 5.6 | 5.6 | 5.8 | 5.8 | 6.0 | 6.4 |
| 123 | YB | | | | 1931 | 1999 | | 3.8 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.8 | 4.8 | 4.9 |
| 124 | SM | | | | 1931 | 1965 | | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| 125 | SM | | | | 1931 | 1965 | | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.8 | | | | | |
| 126 | SM | | | | 1931 | 1954 | | 2.2 | 2.2 | 2.2 | 2.4 | | | | | | | |
| 127 | SM | | | | 1931 | 1954 | | 1.3 | 1.4 | 1.4 | 1.4 | | | | | | | |
| 128 | BA | | | | 1931 | 1936 | | 3.8 | | | | | | | | | | |
| 129 | BA | | | | 1931 | 1973 | | 6.5 | 7.1 | 7.1 | 7.4 | 7.7 | 8.1 | 8.1 | | | | |
| 130 | BA | | | | 1931 | 1954 | | 4.6 | 4.6 | 4.6 | 4.8 | | | | | | | |
| 131 | SM | | | | 1931 | 1973 | | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.2 | | | | |
| 132 | SM | | | | 1931 | 1979 | | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 | 1.8 | 1.8 | 1.8 | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 133 | SM | 42.5 | 49.0 | | 1931 | | | 7.1 | 8.0 | 8.1 | 8.1 | 8.5 | 8.5 | 8.8 | 8.8 | 9.2 | 9.3 | 9.4 |
| 134 | CO | 47.5 | 53.5 | | 1931 | | | 8.5 | 9.7 | 10.6 | 11.2 | 12.4 | 13.4 | 13.9 | 14.4 | 15.5 | 16.0 | 16.5 |
| 135 | SM | | | | 1931 | 1993 | | 3.8 | 3.8 | 3.9 | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 4.1 | 4.1 | 4.1 |
| 136 | CO | | | | 1931 | 1973 | | 6.9 | 7.4 | 7.9 | 8.5 | 9.1 | 10.0 | 10.4 | | | | |
| 137 | SM | | | | 1931 | 1965 | | 1.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | | | | | |
| 138 | SM | | | | 1931 | 1945 | | 1.4 | 1.5 | 1.5 | | | | | | | | |
| 139 | SM | 0.5 | 36.0 | | 1931 | | | 2.5 | 3.1 | 3.7 | 4.1 | 4.4 | 5.0 | 5.2 | 5.5 | 6.1 | 6.3 | 6.5 |
| 140 | SM | 2.0 | 28.5 | | 1931 | | | 2.9 | 3.2 | 3.5 | 3.9 | 4.3 | 4.9 | 5.1 | 5.4 | 5.6 | 5.8 | 5.9 |
| 141 | BA | | | | 1931 | 1945 | | 7.0 | 7.4 | 7.9 | | | | | | | | |
| 142 | BA | | | | 1931 | 1973 | | 6.1 | 6.6 | 6.9 | 7.2 | 7.4 | 7.6 | 7.6 | | | | |
| 143 | BA | | | | 1931 | 1945 | | 5.2 | 5.2 | 5.2 | | | | | | | | |
| 144 | BA | | | | 1931 | 1973 | | 7.3 | 7.3 | 7.3 | 7.5 | 7.9 | 8.2 | 8.2 | | | | |
| 145 | BA | | | | 1931 | 1945 | | 4.3 | 4.6 | 4.6 | | | | | | | | |
| 146 | SM | 21.5 | 27.5 | | 1931 | | | 7.6 | 8.8 | 9.3 | 9.5 | 10.1 | 11.2 | 11.7 | 12.3 | 12.6 | 12.8 | 13.1 |
| 147 | BA | | | | 1931 | 1961 | | 6.3 | 6.6 | 6.6 | 6.6 | 6.6 | | | | | | |
| 148 | SM | | | | 1931 | 1998 | | 4.2 | 4.2 | 4.3 | 4.4 | 4.4 | 4.5 | 4.6 | 4.8 | 4.8 | 4.8 | 4.9 |
| 149 | SM | 29.5 | 32.0 | | 1931 | | | 4.4 | 4.6 | 4.7 | 4.8 | 4.9 | 5.2 | 5.3 | 5.6 | 5.8 | 6.1 | 6.3 |
| 150 | SM | | | | 1931 | 1945 | | 2.2 | 2.2 | 2.3 | | | | | | | | |
| 151 | BA | | | | 1931 | 1979 | | 5.9 | 6.4 | 6.7 | 6.8 | 7.0 | 7.3 | 7.3 | 7.3 | | | |
| 152 | SM | | | | 1931 | 1973 | | 4.2 | 4.3 | 4.3 | 4.4 | 4.4 | 4.4 | 4.4 | | | | |
| 153 | SM | | | | 1931 | 1973 | | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.2 | | | | |
| 154 | HH | | | | 1931 | 1941 | | 3.6 | 3.6 | | | | | | | | | |

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| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 155 | BB | | | | 1931 | 1936 | | 3.3 | | | | | | | | | | |
| 156 | YB | | | | 1931 | 2009 | | 6.0 | 6.3 | 6.6 | 6.9 | 7.4 | 7.8 | 8.0 | 8.9 | 9.5 | 10.0 | 10.6 |
| 157 | YB | 41.0 | 42.5 | | 1931 | | | 3.4 | 3.4 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 4.0 | 4.1 | 4.3 | 4.9 |
| 158 | YB | | | | 1931 | 1973 | | 3.7 | 3.8 | 3.8 | 3.9 | 3.9 | 4.0 | 4.0 | | | | |
| 159 | YB | | | | 1931 | 1979 | | 5.9 | 6.4 | 6.6 | 6.8 | 7.0 | 7.3 | 7.6 | 7.6 | | | |
| 160 | SM | | | | 1931 | 1945 | | 1.8 | 1.9 | 1.9 | | | | | | | | |
| 161 | SM | | | | 1931 | 1936 | | 1.6 | | | | | | | | | | |
| 162 | SM | | | | 1931 | 1941 | | 1.6 | 1.6 | | | | | | | | | |
| 163 | BA | | | | 1931 | 1945 | | 3.3 | 3.3 | 3.4 | | | | | | | | |
| 164 | SM | | | | 1931 | 1945 | | 1.6 | 1.6 | 1.6 | | | | | | | | |
| 165 | YB | 74.0 | 44.5 | | 1931 | | | 5.5 | 5.9 | 6.1 | 6.1 | 6.4 | 6.8 | 7.1 | 7.8 | 8.3 | 8.6 | 8.9 |
| 166 | YB | | | | 1931 | 1965 | | 5.2 | 5.6 | 5.6 | 5.7 | 5.7 | 6.1 | | | | | |
| 167 | RO | 78.0 | 45.5 | | 1931 | | | 6.8 | 7.6 | 8.1 | 8.7 | 10.2 | 11.0 | 11.4 | 12.0 | 12.9 | 13.6 | 14.2 |
| 168 | SM | 85.0 | 46.0 | | 1931 | | | 1.8 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 |
| 169 | SM | | | | 1931 | 1993 | | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 2.2 |
| 170 | BA | | | | 1931 | 1965 | | 4.0 | 4.3 | 4.4 | 4.5 | 4.5 | 4.5 | | | | | |
| 171 | SM | 92.0 | 46.0 | | 1931 | | | 3.8 | 4.0 | 4.0 | 4.1 | 4.1 | 4.2 | 4.3 | 4.5 | 4.6 | 4.7 | 4.7 |
| 172 | SM | | | | 1931 | 1973 | | 1.4 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | | | | |
| 173 | BB | | | | 1931 | 1954 | | 1.2 | 1.3 | 1.3 | 1.3 | | | | | | | |
| 174 | SM | | | | 1931 | 1954 | | 1.9 | 1.9 | 1.9 | 2.0 | | | | | | | |
| 175 | SM | | | | 1931 | 1961 | | 2.8 | 3.2 | 3.2 | 3.2 | 3.2 | | | | | | |
| 176 | SM | | | | 1931 | 1941 | | 2.6 | 2.7 | | | | | | | | | |

PLOT 4A-1C

| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 177 | SM | 97.0 | 49.5 | | 1931 | | | 3.9 | 4.6 | 5.1 | 5.4 | 5.7 | 6.0 | 6.2 | 6.7 | 7.1 | 7.3 | 7.3 |
| 178 | RO | 99.0 | 17.5 | | 1931 | | | 9.5 | 11.1 | 12.2 | 13.6 | 15.3 | 17.5 | 18.1 | 19.3 | 20.7 | 21.6 | 21.6 |
| 179 | SM | 91.0 | 25.5 | | 1931 | | | 5.9 | 6.4 | 6.9 | 7.3 | 7.7 | 8.2 | 8.4 | 8.9 | 9.0 | 9.2 | 9.2 |
| 180 | SM | | | | 1931 | 1999 | | 4.5 | 4.6 | 5.0 | 5.0 | 5.0 | 5.2 | 5.3 | 5.5 | 5.6 | 5.6 | 5.6 |
| 181 | SM | 85.5 | 31.5 | | 1931 | | | 6.4 | 7.1 | 7.2 | 7.6 | 8.1 | 8.8 | 8.9 | 9.6 | 10.1 | 10.2 | 10.6 |
| 182 | BA | | | | 1931 | 1961 | | 8.5 | 9.3 | 9.5 | 9.5 | 9.7 | | | | | | |
| 183 | BA | | | | 1931 | 1961 | | 6.7 | 7.0 | 7.1 | 7.2 | 7.3 | | | | | | |
| 184 | BA | | | | 1931 | 1961 | | 7.3 | 8.5 | 9.0 | 9.0 | 9.0 | | | | | | |
| 185 | SM | | | | 1931 | 1954 | | 2.1 | 2.4 | 2.4 | 2.6 | | | | | | | |
| 186 | SM | | | | 1931 | 1965 | | 2.1 | 2.2 | 2.2 | 2.4 | 2.4 | 2.4 | | | | | |
| 187 | SM | | | | 1931 | 1973 | | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | | | | |
| 188 | SM | | | | 1931 | 1973 | | 3.5 | 3.8 | 3.8 | 3.9 | 3.9 | 4.1 | 4.1 | | | | |
| 189 | SM | | | | 1931 | 1995 | | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.9 | 3.0 | 3.1 | 3.1 | 3.2 | 3.5 |
| 190 | SM | | | | 1931 | 1979 | | 2.2 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | | | |
| 191 | SM | | | | 1931 | 1983 | | 7.2 | 8.0 | 8.4 | 8.7 | 9.2 | 10.4 | 11.1 | 11.6 | 11.9 | | |
| 192 | SM | | | | 1931 | 1993 | | 6.6 | 7.8 | 8.5 | 9.7 | 10.6 | 12.2 | 13.0 | 14.8 | 15.9 | 16.2 | 16.3 |
| 193 | BA | | | | 1931 | 1965 | | 5.9 | 6.2 | 6.6 | 6.9 | 7.3 | 7.6 | | | | | |
| 194 | BA | | | | 1931 | 1954 | | 6.1 | 6.1 | 6.1 | 6.3 | | | | | | | |
| 195 | BA | | | | 1931 | 1965 | | 5.9 | 6.4 | 7.0 | 7.6 | 8.2 | 8.8 | | | | | |
| 196 | SM | 22.0 | 13.5 | | 1931 | | | 7.8 | 8.6 | 8.6 | 9.0 | 9.0 | 9.8 | 10.2 | 11.4 | 12.2 | 12.6 | 13.1 |
| 197 | SM | | | | 1931 | 1945 | | 6.5 | 6.5 | 6.7 | | | | | | | | |
| 198 | SM | | | | 1931 | 1954 | | 10.1 | 10.4 | 10.4 | 10.4 | | | | | | | |

PLOT 4A-1C

| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 199 | SM | 4.5 | 10.0 | | 1931 | | | 6.0 | 6.7 | 7.1 | 7.2 | 7.8 | 8.3 | 8.6 | 9.1 | 9.6 | 9.8 | 9.9 |
| 200 | SM | 4.0 | 13.5 | | 1931 | | | 6.4 | 7.4 | 7.5 | 7.9 | 8.4 | 8.8 | 9.0 | 9.5 | 10.0 | 10.2 | 10.3 |
| 201 | SM | | | | 1931 | 1973 | | 4.7 | 5.2 | 5.6 | 6.1 | 6.6 | 7.0 | 7.0 | | | | |
| 202 | SM | | | | 1931 | 1941 | | 4.5 | 4.5 | | | | | | | | | |
| 203 | BA | | | | 1931 | 1979 | | 8.7 | 8.9 | 9.0 | 9.5 | 9.8 | 10.0 | 10.1 | 10.1 | | | |
| 204 | BA | | | | 1931 | 1941 | | 5.5 | 5.6 | | | | | | | | | |
| 205 | BA | | | | 1931 | 1979 | | 7.7 | 8.0 | 8.2 | 8.4 | 8.5 | 8.9 | 8.9 | 8.9 | | | |
| 206 | SM | 59.5 | 4.0 | | 1931 | | | 2.8 | 2.9 | 3.0 | 3.2 | 3.3 | 3.7 | 4.0 | 4.5 | 4.8 | 5.0 | 5.3 |
| 207 | BA | | | | 1931 | 1983 | | 8.9 | 9.4 | 9.6 | 10.0 | 10.0 | 10.5 | 10.5 | 10.6 | 10.6 | | |
| 208 | BA | | | | 1931 | 1941 | | 5.5 | 5.8 | | | | | | | | | |
| 209 | SM | 74.0 | 2.5 | | 1931 | | | 6.6 | 7.0 | 7.4 | 8.0 | 8.4 | 9.5 | 10.0 | 10.9 | 11.5 | 11.7 | 12.0 |
| 210 | SM | | | | 1931 | 1945 | | 1.6 | 1.7 | 1.7 | | | | | | | | |
| 211 | SM | | | | 1931 | 1936 | | 2.1 | | | | | | | | | | |
| 212 | SM | 74.5 | 18.5 | | 1931 | | | 5.7 | 6.0 | 6.2 | 6.7 | 6.7 | 7.1 | 7.3 | 7.7 | 7.7 | 8.0 | 8.1 |
| 213 | SM | | | | 1931 | 1936 | | 2.1 | | | | | | | | | | |
| 214 | SM | | | | 1931 | 1945 | | 1.9 | 2.0 | 2.0 | | | | | | | | |
| 215 | SM | | | | 1931 | 1961 | | 3.7 | 3.8 | 3.9 | 4.0 | 4.0 | | | | | | |
| 216 | WA | | | | 1931 | 1961 | | 4.9 | 5.8 | 6.0 | 6.4 | 6.5 | | | | | | |
| 217 | WA | | | | 1931 | 1945 | | 4.7 | 5.0 | 5.0 | | | | | | | | |
| 218 | BA | | | | 1931 | 2003 | | 6.2 | 7.2 | 7.6 | 7.7 | 8.3 | 8.6 | 8.7 | 8.8 | 8.8 | 8.8 | 8.8 |
| 219 | SM | | | | 1931 | 2003 | | 5.8 | 6.3 | 6.7 | 7.0 | 7.2 | 7.7 | 8.0 | 8.2 | 8.4 | 8.4 | 8.4 |
| 220 | CH | | | 1961 | | 1965 | | | | | | | 2.0 | | | | | |

PLOT 4A-1C

| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 221 | YB | | | 1961 | | 1995 | | | | | | | 2.2 | 2.3 | 2.6 | 2.9 | 3.0 | 3.1 |
| 222 | SM | | | 1961 | | 1983 | | | | | | | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 223 | SM | | | 1965 | | 1973 | | | | | | | | 1.4 | | | | |
| 224 | BB | | | 1973 | | 1979 | | | | | | | | | 1.7 | | | |
| 225 | SM | | | 1973 | | 1993 | | | | | | | | | 1.9 | 2.0 | 2.1 | 2.2 |
| 226 | SM | 92.5 | 31.5 | 1973 | | | | | | | | | | | 2.0 | 2.2 | 2.5 | 2.5 |
| 227 | RM | 9.5 | 59.0 | 1979 | | 2012 | | | | | | | | | | 1.8 | 2.0 | 2.1 |
| 228 | BB | 94.5 | 3.0 | 1979 | | | | | | | | | | | | 2.1 | 2.3 | 2.7 |
| 229 | SM | | | 1979 | | 1995 | | | | | | | | | | 1.6 | 1.6 | 1.6 |
| 230 | SM | 61.0 | 26.0 | 1979 | | | | | | | | | | | | 1.5 | 1.7 | 2.0 |
| 232 | CH | 89.5 | 97.5 | 1989 | | | | | | | | | | | | | | 1.8 |
| 233 | CH | | | 1993 | | 2003 | | | | | | | | | | | | |
| 234 | YB | 14.0 | 64.5 | 1979 | | | | | | | | | | | | 1.6 | 1.7 | 1.7 |
| 235 | SB | 94.0 | 92.5 | 1996 | | | | | | | | | | | | | | |
| 236 | CH | 73.0 | 59.0 | 1993 | | | | | | | | | | | | | | |
| 237 | YB | 95.5 | 47.0 | 1965 | | | | | | | | | | 1.6 | 2.1 | 2.7 | 3.0 | 3.5 |
| 238 | YB | | | 1993 | | 2002 | | | | | | | | | | | | |
| 239 | BB | 71.5 | 20.0 | 1993 | | | | | | | | | | | | | | |
| 240 | MW | | | 1993 | | 1999 | | | | | | | | | | | | |
| 241 | SM | | | 1993 | | 2003 | | | | | | | | | | | | |
| 242 | SM | 60.0 | 1.5 | 1989 | | | | | | | | | | | | | | 1.6 |
| 243 | SM | | | 1989 | | 2009 | | | | | | | | | | | | 1.5 |

PLOT 4A-1C

| Arthur's Brook Contr | | coordinates | | | | | | diameter at breast height (in) | | | | | | | | | | |
|----------------------|---------|-------------|------|------------|----------|---------|----------|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| TREE # | SPECIES | x | y | ingrowthyr | censinyr | deathyr | censoryr | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 |
| 244 | SM | | | 1993 | | 2002 | | | | | | | | | | | | |
| 245 | BB | 47.0 | 10.5 | 1993 | | | | | | | | | | | | | | |
| 246 | BB | | | 1993 | | 2009 | | | | | | | | | | | | |
| 247 | YB | 11.0 | 9.0 | 1993 | | | | | | | | | | | | | | |
| 248 | YB | | | 1993 | | 2009 | | | | | | | | | | | | |
| 249 | YB | 4.0 | 9.0 | 1993 | | 2012 | | | | | | | | | | | | |
| 250 | RM | | | | 1931 | 1993 | | 5.3 | 5.5 | 5.8 | 6.1 | 6.4 | 6.7 | 7.0 | 7.5 | 7.5 | 7.5 | 7.5 |
| 251 | YB | 75.5 | 23.5 | 1996 | | | | | | | | | | | | | | |
| 253 | RM | 96.0 | 73.0 | 1996 | | | | | | | | | | | | | | |
| 254 | YB | 97.0 | 14.0 | 1997 | | | | | | | | | | | | | | |
| 255 | SB | | | 1999 | | 2008 | | | | | | | | | | | | |
| 256 | BB | 89.5 | 97.5 | 2007 | | | | | | | | | | | | | | |
| 257 | ? | near post | | | | | | | | | | | | | | | | |
| 258 | ? | | | | | | | | | | | | | | | | | |
| 259 | YB | 4.5 | 10 | 2014 | | | | | | | | | | | | | | |

PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| | | | | | | | | | | | | | | | | | | | | | |
| 8.4 | 8.5 | 8.5 | 8.7 | 8.7 | 8.7 | 8.7 | 8.8 | 8.9 | 8.9 | 9.0 | 9.1 | 9.2 | 9.4 | 9.6 | 9.6 | 9.8 | 9.9 | 9.9 | 10.2 | 10.4 | 10.4 |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| 13.1 | 13.3 | 13.4 | 13.6 | 13.7 | 13.9 | 13.9 | 14.0 | 14.1 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 15.0 | 15.1 | 15.4 | 15.6 | 15.5 | 15.8 | 15.6 |
| 11.1 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.3 | 11.3 | 11.2 | 11.2 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 12.2 | 12.2 | 12.3 | 12.3 | 12.3 | 12.3 | 12.4 | 12.5 | 12.5 | 12.6 | 12.6 | 12.6 | 12.7 | 12.7 | 12.8 | 12.8 | 12.8 | 12.9 | 12.9 | 12.9 | 13.0 | 13.1 |
| 10.2 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.6 | 10.7 | 10.6 | 10.7 | 10.7 | 10.7 | 10.8 | 10.8 | 11.0 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 11.4 | 11.4 |
| 6.4 | 6.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 | 7.1 | 7.3 | 7.1 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 5.8 | 5.9 | 5.9 | 6.0 | 6.0 | 6.2 | 6.2 | 6.3 | 6.3 | 6.3 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.6 | 6.6 | 6.7 | 6.7 | 6.8 | 7.0 | 7.1 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| 13.7 | 13.8 | 13.9 | 14.1 | 14.1 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.8 | 14.9 | 15.0 | 15.1 | 15.2 | 15.3 | 15.3 | 15.4 | 15.4 | 15.7 | 15.8 |
| | | | | | | | | | | | | | | | | | | | | | |
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| 3.8 | 3.8 | | | | | | | | | | | | | | | | | | | | |
| 5.4 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.6 | 5.5 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.8 | 5.8 | 5.9 | 5.8 | 5.9 | 5.9 | 6.0 |
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| | | | | | | | | | | | | | | | | | | | | | |
| 4.3 | 4.4 | 4.4 | 4.5 | 4.5 | 4.5 | 4.2 | | | | | | | | | | | | | | | |
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| 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| 13.6 | 13.8 | 13.9 | 14.1 | 14.1 | 14.2 | 14.3 | 14.4 | | | | | | | | | | | | | | |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
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| 13.0 | 13.2 | 13.2 | 13.3 | 13.3 | 13.4 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.2 | 14.3 | 14.3 | 14.5 | 14.5 | 14.7 | 14.7 | 14.8 | 14.9 | 15.0 | 15.1 |
| | | | | | | | | | | | | | | | | | | | | | |
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| 5.1 | 5.3 | 5.3 | 5.3 | 5.4 | 5.5 | 5.6 | 5.6 | 5.7 | 5.7 | 5.9 | 5.9 | 5.9 | 6.0 | 6.1 | 6.3 | 6.2 | 6.2 | 6.3 | 6.3 | 6.3 | 6.4 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| 13.6 | 13.8 | 13.9 | 14.1 | 14.1 | 14.2 | 14.3 | 14.4 | 14.6 | 14.7 | 14.8 | 14.9 | 15.0 | 15.2 | 15.4 | 15.5 | 15.6 | 15.8 | 15.9 | 16.0 | 16.1 | 16.1 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 13.8 | 14.0 | 14.0 | 14.2 | 14.2 | 14.3 | 14.5 | 14.6 | 14.7 | 14.9 | 14.9 | 15.1 | 15.2 | 15.3 | 15.3 | 15.5 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0 |
| | | | | | | | | | | | | | | | | | | | | | |
| 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | | | | | | | | | | | | | | | | | |
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| 6.9 | 7.0 | 7.1 | 7.1 | 7.1 | 7.3 | 7.3 | 7.4 | 7.5 | 7.6 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.3 | 8.5 | 8.7 | 8.6 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
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| 6.7 | 6.7 | 6.7 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.1 | 7.3 | 7.4 | 7.4 | 7.6 | 7.7 | 7.6 | | | |
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| 4.8 | 5.0 | 5.0 | 5.0 | 5.0 | 5.1 | 5.1 | 5.2 | 5.2 | 5.4 | 5.4 | 5.5 | 5.6 | 5.6 | 5.8 | 5.8 | 5.9 | 6.0 | 5.9 | 6.0 | 6.2 | 6.3 |
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| 11.9 | 12.0 | 12.1 | 12.3 | 12.3 | 12.3 | 12.5 | 12.6 | 12.7 | 12.9 | 13.0 | 13.2 | 13.3 | 13.4 | 13.4 | 13.6 | 13.7 | 13.7 | 13.8 | 13.8 | 14.0 | 14.0 |
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PLOT 4A-1C

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| 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 15.1 | 15.1 | 15.1 | 15.1 | 15.3 | 15.3 | 15.5 |
| | | | | | | | | | | | | | | | | | | | | | |
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| 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.7 | 8.7 | 8.7 |
| | | | | | | | | | | | | | | | | | | | | | |
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| 4.9 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.2 | 5.2 | 5.3 | 5.5 | 5.4 |
| 6.7 | 6.7 | 6.7 | 6.8 | 6.8 | 6.9 | 6.9 | 7.0 | 7.0 | 7.1 | 7.2 | 7.2 | 7.3 | 7.4 | 7.4 | 7.3 | 7.4 | 7.4 | 7.5 | 7.5 | 7.6 | 7.5 |
| 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | | | | | | | | | | | | | | | | |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 9.5 | 9.5 | 9.5 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.7 | 9.8 | 9.8 | 10.3 | 9.9 |
| 16.8 | 16.8 | 16.9 | 17.0 | 17.1 | 17.2 | 17.2 | 17.2 | 17.2 | 17.4 | 17.6 | 17.6 | 17.6 | 17.6 | 17.8 | 17.7 | 17.9 | 17.9 | 18.1 | 18.1 | 18.4 | 18.4 |
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| 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.1 | 7.2 | 7.2 | 7.3 | 7.4 | 7.4 | 7.6 | 7.6 | 7.7 | 7.9 | 8.0 | 8.3 | 8.4 | 8.3 | 8.5 | 8.7 | 8.8 |
| 5.9 | 5.9 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.1 | 6.1 | 6.2 | 6.2 | 6.2 | 6.3 | 6.3 | 6.3 | 6.5 | 6.4 | 6.5 | 6.6 | 6.6 |
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| 13.2 | 13.5 | 13.5 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.7 | 13.8 | 14.0 | 14.3 | 14.4 | 14.5 | 14.2 | 14.5 | 14.6 | 14.5 |
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| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | | | | | | | | | | | | | | | | |
| 6.4 | 6.5 | 6.5 | 6.6 | 6.6 | 6.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 7.0 | 7.1 | 7.3 | 7.5 | 7.6 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | | | | | | | | | | |
| 10.8 | 11.1 | 11.1 | 11.1 | 11.2 | 11.2 | 11.3 | 11.5 | 11.7 | 11.7 | 11.7 | 11.8 | 11.8 | 11.9 | 11.9 | 12.0 | | | | | | |
| 5.3 | 5.5 | 5.5 | 5.6 | 5.6 | 5.7 | 5.8 | 5.9 | 5.9 | 6.0 | 6.1 | 6.2 | 6.2 | 6.3 | 6.3 | 6.4 | 6.6 | 6.6 | 6.9 | 7.0 | 7.2 | 7.2 |
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| 9.3 | 9.4 | 9.5 | 9.6 | 9.6 | 9.7 | 9.7 | 9.7 | 9.8 | 9.9 | 9.9 | 9.9 | 10.0 | 10.0 | 10.1 | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | |
| | | | | | | | | | | | | | | | | | | | | | |
| 14.7 | 14.8 | 14.9 | 15.0 | 15.0 | 15.1 | 15.1 | 15.2 | 15.4 | 15.5 | 15.7 | 15.7 | 15.8 | 15.8 | 15.8 | 16.1 | 16.1 | 16.2 | 16.3 | 16.4 | 16.7 | 16.8 |
| 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.7 |
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| 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.7 | 4.7 | 4.8 | 4.7 | 4.8 | 4.8 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7.5 | 7.6 | 7.6 | 7.6 | 7.7 | 7.7 | 7.8 | 7.8 | 7.9 | 7.9 | 8.0 | 8.1 | 8.2 | 8.2 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.6 | 8.8 | 8.7 |
| 24.0 | 24.1 | 24.4 | 24.4 | 24.4 | 24.8 | 25.0 | 25.2 | 25.5 | 25.7 | 25.8 | 25.9 | 26.0 | 26.3 | 26.3 | 26.7 | 26.9 | 27.0 | 27.2 | 27.2 | 27.7 | 27.7 |
| 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.4 | 9.4 | 9.3 |
| 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.8 | | | | | | | | | | | | | | | | |
| 10.8 | 10.9 | 10.9 | 11.1 | 11.1 | 11.2 | 11.3 | 11.3 | 11.3 | 11.4 | 11.6 | 11.6 | 11.7 | 11.7 | 11.9 | 11.9 | 11.9 | 11.9 | 12.1 | 12.2 | 12.6 | 12.4 |
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| 3.6 | 3.7 | | | | | | | | | | | | | | | | | | | | |
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| 13.7 | 13.8 | 13.8 | 14.1 | 14.1 | 14.2 | 14.2 | 14.4 | 14.6 | 14.7 | 14.7 | 14.8 | 14.9 | 15.0 | 15.3 | 15.2 | 15.3 | 15.2 | 15.4 | 15.4 | 15.5 | 15.5 |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.1 | 10.1 | 10.1 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.6 | 10.7 |
| 10.3 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.5 | 10.5 | 10.7 |
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| 5.4 | 5.4 | 5.4 | 5.5 | 5.5 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.7 | 5.7 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 6.0 | 5.9 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 12.3 | 12.4 | 12.4 | 12.5 | 12.5 | 12.7 | 12.7 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.1 | 13.2 | 13.2 | 13.3 | 13.4 | 13.5 | 13.4 | 13.5 | 13.5 | 13.5 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 8.4 | 8.5 | 8.5 | 8.6 | 8.6 | 8.7 | 8.7 | 8.8 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 9.6 | 9.6 | 9.7 | 9.9 |
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| 8.8 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | | | | | | | | | | | | |
| 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | | | | | | | | | | | | |
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PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3.1 | 3.1 | | | | | | | | | | | | | | | | | | | | |
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| 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.9 | 2.6 | 2.7 | 2.8 | 2.8 | 3.0 | 3.0 | 3.1 |
| 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.3 | | | |
| 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.6 | 3.7 | 3.9 | 4.2 | 4.4 | 4.3 |
| 1.6 | 1.6 | | | | | | | | | | | | | | | | | | | | |
| 2.2 | 2.3 | 2.3 | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.7 | 2.7 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 |
| 1.9 | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | |
| 1.3 | 1.4 | 1.5 | 1.6 | 1.6 | 1.7 | 1.8 | 1.9 | 1.9 | 1.9 | | | | | | | | | | | | |
| 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 3.0 | 3.1 | 3.4 |
| | | | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 2.4 | 1.4 | 1.5 | 1.6 |
| 1.3 | 1.4 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 2.0 | 2.1 | 2.3 | 2.5 | 2.6 | 2.8 | 3.0 |
| 4.0 | 4.1 | 4.1 | 4.2 | 4.2 | 4.4 | 4.4 | 4.5 | 4.6 | 4.6 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.5 | 5.6 | 5.8 | 5.9 | 6.1 | 6.0 |
| 1.1 | 1.1 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | | | | | | | | | | | | | |
| 1.1 | 1.2 | 1.2 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.8 | 1.9 | 1.9 | 2.2 | 2.1 |
| 1.7 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | | | | | | | | | | | | | | | | |
| 0.7 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | | | | | | | | |
| 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 |
| 1.7 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | | | | | | |

PLOT 4A-1C

| 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | | | | | |
| 2.0 | 2.2 | 2.2 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | 3.3 | 3.3 | 3.4 | 3.6 | 3.7 | 3.8 | 3.9 | 3.9 | 3.8 |
| 1.5 | 1.7 | 1.8 | 1.9 | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | |
| 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 | 2.3 | 2.4 | 2.5 | 2.6 | 2.6 | 2.7 | 3.0 | 3.1 | 3.3 | 3.6 | 3.7 | 3.9 |
| 1.1 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.5 | 1.6 | | | | | | |
| 1.7 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.4 | 2.3 | 2.5 | 3.1 | 3.1 | 3.1 | 3.2 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.1 | 1.2 | 1.3 | 1.2 |
| | | | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.5 | 1.6 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| | | | | 0.9 | 0.9 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | |
| | | | | | | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 | 1.9 | 2.0 | 2.1 | 2.1 | | | | | | | |
| | | | | | | | | | | | | | | 1.0 | 1.3 | 1.7 | 1.9 | 2.2 | 2.4 | 2.6 | 2.7 |
| | | | | | | | | | | | | | | | | | | | | 3.6 | |
| | | | | | | | | | | | | | | | | | | | | 2.3 | |
| | | | | | | | | | | | | | | | | | | | | | 0.9 |

PLOT 4A-1C

| | | height (feet) | | | ca | | | | | | | | | | | | | | | | | |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | d | d | c | i | i | i | i | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | | | | | | | | | | |
| 10.4 | 10.7 | 60 | 60 | 57 | i | i | i | i | i | i | i | i | i | i | | | | | i | i | i | i |
| | | | | | s | s | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| 15.9 | 16.0 | 93 | 85 | 78 | d | d | d | d | d | d | d | d | d | d | | | | | d | d | d | d |
| | | 57 | 53 | | d | d | d | d | d | d | d | d | c | c | | | | | c | c | c | c |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| 13.0 | 13.0 | 78 | 73 | 68 | d | d | d | d | d | d | d | d | d | d | | | | | d | d | d | d |
| 11.4 | 11.5 | 74 | 72 | 64 | d | d | d | d | d | d | d | d | d | d | | | | | c | c | c | c |
| 7.4 | 7.5 | 33 | 39 | 45 | i | i | s | s | s | s | s | s | s | s | | | | | i | i | i | i |
| | | | | | i | i | i | i | i | i | i | i | i | | | | | | | | | |
| | | | | | c | i | s | s | | | | | | | | | | | | | | |
| 7.2 | 7.2 | 42 | 45 | 42 | c | i | s | s | s | s | s | i | i | i | | | | | i | i | i | i |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | c | c | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | d | c | i | i | | | | | | | | | | | | | | |
| 15.4 | 15.8 | 102 | 75 | 83 | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d | |
| | | | | | s | s | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | s | s | | | | | | | | |
| | | | | | i | i | s | s | s | s | s | s | s | s | | | | | | | | |
| 6.0 | 6.1 | 50 | 31 | 32 | c | c | i | i | i | i | i | i | i | i | | | | s | i | s | s | |
| | | | | | i | i | s | s | | | | | | | | | | | | | | |
| | | | | | c | c | i | s | s | s | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | 23 | 21 | | s | s | s | s | s | s | s | s | s | s | | | | s | s | s | s | |
| | | | | | d | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | 48 | | | i | c | i | i | i | i | i | i | i | i | | | | i | i | i | i | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | 91 | 74 | | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| 15.1 | 15.2 | 91 | 82 | 82 | d | d | d | d | d | d | d | c | d | d | | | | c | c | c | c | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | d | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| 6.4 | 6.4 | 49 | 46 | 49 | s | s | s | s | s | s | s | s | s | s | | | | s | i | s | s | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | c | c | i | i | s | s | | | | | | | | | | | | |
| | | | | | c | c | i | i | | | | | | | | | | | | | | |
| | | | | | c | c | i | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | c | c | i | i | i | i | i | i | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | d | c | i | i | i | i | i | | | | | | | | | | | |
| | | | | | d | c | c | c | c | i | i | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | d | d | d | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | | |
| 16.3 | 16.2 | 96 | 91 | 76 | d | d | d | d | d | d | d | d | d | d | | | | | c | d | c | c |
| | | | | | c | c | i | i | i | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| 16.1 | 16.1 | 105 | 75 | 74 | d | c | d | d | d | d | d | d | d | d | | | | | d | d | d | d |
| | | | | | i | i | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | i | i | | | | | s | s | s | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | c | | | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | d | d | | | | | | | | | | |
| | | | | | c | c | i | | | | | | | | | | | | | | | |
| 8.8 | 8.8 | 72 | 37 | 50 | s | s | i | i | i | i | i | i | i | i | | | | | i | i | i | i |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | d | d | d | d | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | d | c | i | i | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | 66 | 73 | 63 | c | c | i | i | i | i | i | i | i | i | | | | | c | c | c | c |
| | | | | | c | i | i | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | d | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| 6.4 | 6.5 | 45 | 47 | 50 | s | s | s | s | s | s | s | s | s | s | | | | | i | i | i | i |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| | | | | | i | i | | | | | | | | | | | | | | | | |
| 14.2 | 14.2 | 98 | 79 | 73 | d | c | c | d | d | d | d | c | d | d | | | | | d | d | d | d |
| | | | | | i | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | i | i | i | d | d | d | d | i | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| 15.6 | 15.5 | 92 | 83 | 73 | d | d | d | d | d | d | d | d | d | d | | | | | c | c | c | c |
| | | | | | d | c | i | i | c | c | i | i | i | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| 8.7 | 8.7 | 58 | 50 | 42 | i | i | c | c | c | c | i | i | i | i | | | | | c | i | c | c |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | | |
| 5.3 | 5.3 | 36 | 26 | 32 | d | c | c | i | s | s | s | s | s | s | | | | | s | s | s | s |
| 7.5 | 7.5 | 57 | 53 | 55 | d | c | c | i | i | i | s | s | s | s | | | | | i | i | i | i |
| | | 27 | | | s | s | s | s | s | s | s | s | s | s | | | | | s | s | s | s |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | c | | | | | | | | | | | |
| | | | | | i | i | i | i | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | ca | | | | | | | | | | | | | | | | |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| 10.2 | 10.1 | 61 | 59 | 69 | d | d | c | i | i | i | i | i | i | i | | | | i | i | i | i |
| 18.4 | 18.4 | 90 | 84 | 80 | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d |
| | | | | | c | c | i | s | s | s | s | s | s | s | | | | | | | |
| | | | | | d | d | d | d | d | d | d | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | |
| 9.0 | 9.1 | 69 | 70 | 70 | i | i | i | i | i | i | i | i | i | i | | | | c | c | c | c |
| 6.6 | 6.7 | 51 | 57 | 52 | s | s | s | s | s | s | s | i | i | i | | | | i | i | i | i |
| | | | | | d | d | d | | | | | | | | | | | | | | |
| | | | | | d | d | c | c | c | c | c | | | | | | | | | | |
| | | | | | c | c | i | | | | | | | | | | | | | | |
| | | | | | d | d | i | i | c | c | i | | | | | | | | | | |
| | | | | | s | i | s | | | | | | | | | | | | | | |
| 14.7 | 14.5 | 80 | 79 | 77 | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d |
| | | | | | d | d | c | c | s | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | s | s | | | | s | s | s | |
| 7.7 | 7.8 | 60 | 68 | 61 | c | c | c | c | i | s | s | s | s | s | | | | c | c | c | c |
| | | | | | s | s | s | s | | | | | | | | | | | | | |
| | | | | | d | d | d | d | c | c | c | i | | | | | | | | | |
| | | | | | c | d | c | s | s | i | i | | | | | | | | | | |
| | | | | | d | d | c | s | s | s | s | | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | ca | | | | | | | | | | | | | | | | | |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | 91 | 85 | 67 | d | d | d | i | c | c | c | d | d | d | | | | d | d | d | d | |
| 7.6 | 7.6 | 51 | 41 | 42 | s | s | s | s | s | s | s | s | s | s | | | | s | s | s | s | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | d | d | d | c | c | c | c | c | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | | |
| | | 57 | 74 | 67 | d | d | c | c | i | i | c | c | c | c | | | | i | i | i | i | |
| | | | | | d | d | c | c | i | s | | | | | | | | | | | | |
| 16.7 | 16.8 | 93 | 71 | 90 | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d | |
| 2.5 | 2.5 | 12 | 16 | 18 | s | s | s | s | s | s | s | s | s | s | | | | s | s | s | s | |
| | | | | | s | s | s | s | s | s | s | s | s | s | | | | | | | | |
| | | | | | i | i | s | s | s | | | | | | | | | | | | | |
| 4.8 | 4.8 | 41 | 41 | 32 | i | i | s | s | s | s | s | s | s | s | | | | s | i | s | s | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | | |
| | | | | | i | i | s | s | s | | | | | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | ca | | | | | | | | | | | | | | | | |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| 8.9 | 8.8 | 69 | 73 | 65 | c | c | c | c | c | c | i | i | i | i | | | | c | c | c | c |
| 27.8 | 28.1 | 102 | 98 | 95 | d | d | d | d | d | d | d | d | d | d | | | | d | d | d | d |
| 9.3 | 9.3 | 69 | 67 | 59 | d | d | d | c | c | c | c | c | c | c | | | | i | i | i | i |
| | | 36 | | | i | i | i | s | s | s | s | s | s | s | | | | s | i | s | s |
| 12.5 | 12.5 | 78 | 79 | 75 | d | d | d | c | c | c | i | c | c | c | | | | d | d | d | d |
| | | | | | d | d | d | d | d | | | | | | | | | | | | |
| | | | | | d | d | d | c | c | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | | | | | | | | | | | | |
| | | | | | s | s | s | s | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | | | | | | | | | | |
| | | | | | s | s | s | s | s | s | s | s | s | s | | | | | | | |
| | | | | | d | d | d | d | c | c | c | c | d | | | | | | | | |
| | | | | | d | d | d | d | d | d | d | d | d | d | | | | | | | |
| | | | | | d | d | d | d | c | i | | | | | | | | | | | |
| | | | | | d | d | i | i | | | | | | | | | | | | | |
| | | | | | d | d | d | d | d | d | | | | | | | | | | | |
| 15.4 | 15.3 | 66 | 77 | 78 | d | d | d | d | d | d | d | d | d | d | | | | c | c | c | c |
| | | | | | c | c | c | | | | | | | | | | | | | | |
| | | | | | d | d | d | c | | | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | ca | | | | | | | | | | | | | | | | |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
| 10.9 | 10.8 | 66 | 75 | 77 | d | d | d | d | d | d | d | d | d | d | | | | c | c | c | c |
| 10.7 | 10.7 | 60 | 63 | 70 | d | d | d | d | d | d | d | d | d | d | | | | c | c | c | c |
| | | | | | c | c | i | i | i | i | s | | | | | | | | | | |
| | | | | | i | i | | | | | | | | | | | | | | | |
| | | | | | d | d | d | c | c | c | c | c | | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | |
| | | | | | d | d | d | d | c | c | c | i | | | | | | | | | |
| 5.9 | 5.7 | 36 | 44 | 47 | s | s | s | s | s | s | s | s | s | s | | | | s | s | s | s |
| | | | | | d | d | d | d | c | d | d | d | d | | | | | | | | |
| | | | | | s | s | | | | | | | | | | | | | | | |
| 13.6 | 13.6 | 72 | 88 | 84 | d | d | d | d | d | d | d | d | d | d | | | | d | c | d | d |
| | | | | | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | | | | | | | | | | | | | | | | |
| 9.7 | 10.0 | 72 | 82 | 65 | i | i | i | i | s | s | s | s | s | s | | | | i | i | i | i |
| | | | | | s | | | | | | | | | | | | | | | | |
| | | | | | s | s | s | | | | | | | | | | | | | | |
| | | | | | s | s | s | s | s | | | | | | | | | | | | |
| | | | | | d | d | d | c | i | | | | | | | | | | | | |
| | | | | | c | d | c | | | | | | | | | | | | | | |
| | | 78 | 69 | | d | d | d | c | c | c | c | c | c | c | | | | c | c | c | c |
| | | 75 | 51 | | d | d | d | d | c | c | c | c | c | c | | | | c | c | c | c |
| | | | | | | | | | | s | | | | | | | | | | | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | | | | | | | | | s | s | s | s | s | | | | | | | | |
| | | | | | | | | | | s | s | s | s | | | | | | | | | |
| | | | | | | | | | | | s | | | | | | | | | | | |
| | | | | | | | | | | | | s | | | | | | | | | | |
| | | | | | | | | | | | | s | s | s | | | | | | | | |
| 3.0 | 3.0 | 18 | 22 | 23 | | | | | | | | s | s | s | | | | s | s | s | s | |
| | | 27 | 27 | 21 | | | | | | | | | s | s | | | | s | s | s | s | |
| 4.4 | 4.4 | 24 | 21 | 26 | | | | | | | | | s | s | | | | s | s | s | s | |
| | | | | | | | | | | | | | s | s | | | | | | | | |
| 3.4 | 3.3 | 21 | 25 | 35 | | | | | | | | | s | s | | | | s | s | s | s | |
| 2.3 | dead | 12 | 11 | 12 | | | | | | | | | | | | | | s | s | s | s | |
| | | 15 | 27 | | | | | | | | | | | | | | | s | s | s | s | |
| 3.4 | 3.4 | 15 | 16 | 20 | | | | | | | | | s | s | | | | s | s | s | s | |
| 1.6 | 1.7 | 6 | 15 | 19 | | | | | | | | | | | | | | s | s | s | s | |
| 3.0 | 3.0 | 12 | 12 | 16 | | | | | | | | | | | | | | s | i | s | s | |
| 6.2 | 6.2 | 41 | 44 | 43 | | | | | | | s | s | s | s | | | | s | s | s | s | |
| | | 12 | 18 | | | | | | | | | | | | | | | s | s | s | s | |
| 2.1 | 2.2 | 12 | 11 | 15 | | | | | | | | | | | | | | s | s | s | s | |
| | | 9 | | | | | | | | | | | | | | | | s | s | s | s | |
| | | 6 | 6 | | | | | | | | | | | | | | | s | s | s | s | |
| 2.3 | 2.3 | 30 | 33 | 35 | | | | | | | | | | | | | | s | s | s | s | |
| | | 21 | 32 | 31 | | | | | | | | | | | | | | s | s | s | s | |

PLOT 4A-1C

| | | height (feet) | | | | | | | | | | | | | | | | | | | | ca |
|------|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 2015 | 2016 | 1998 | 2002 | 2007 | 1931 | 1936 | 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | |
| | | 6 | 10 | | | | | | | | | | | | | | | s | s | s | s | |
| 3.8 | 4.1 | 33 | 45 | 51 | | | | | | | | | | | | | | s | s | s | s | |
| | | 24 | 30 | 26 | | | | | | | | | | | | | | s | s | s | s | |
| 4.0 | 4.1 | 27 | 27 | 25 | | | | | | | | | | | | | | s | s | s | s | |
| | | 9 | 13 | 13 | | | | | | | | | | | | | | s | s | s | s | |
| 3.6 | 3.6 | 12 | 16 | 18 | | | | | | | | | | | | | | s | s | s | s | |
| | | | | | d | i | i | i | i | i | s | s | s | s | | | | | | | | |
| 1.4 | 1.4 | 6 | 7 | 9 | | | | | | | | | | | | | | | s | s | s | |
| 2.5 | 2.5 | 12 | 17 | 20 | | | | | | | | | | | | | | | s | s | s | |
| | | 6 | | | | | | | | | | | | | | | | | s | s | s | |
| | | | 15 | 18 | | | | | | | | | | | | | | | | | | |
| 2.9 | 3.0 | | | 15 | | | | | | | | | | | | | | | | | | |
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| 1 | 1 | | | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | 1931 | 1936 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | | |
| | | | | | | | | | | | | | | | | | | | |
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| i | i | i | i | | i | i | i | s | s | s | i | s | i | i | i | i | s | | |
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| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | c | d | d | c | c | d | c | c | c | c | i | c | c | | |
| c | c | i | i | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | d | d | c | c | c | c | c | c | c | c | c | c | c | | |
| c | c | d | d | | c | d | c | c | c | c | c | c | c | c | c | c | c | | |
| i | i | i | i | | i | i | i | s | s | s | i | s | s | i | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| i | i | i | i | | i | i | i | i | i | i | i | i | i | i | i | i | i | | |
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| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | 1931 | 1936 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | | |
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| d | d | d | d | | c | c | c | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| i | i | i | i | | i | i | s | s | s | i | s | i | i | s | i | i | s | | |
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| l | | | | | | | | | | | | | | | | | | | |
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| d | d | | | | | | | | | | | | | | | | | | |
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PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| c | d | d | d | | d | d | c | d | d | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| i | i | i | i | | i | i | i/s | s | s | i | s | s | s | s | s | s | s | | |
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PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | d | d | d | d | d | c | c | c | c | d | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | d | d | c | c | c | c | c | d | c | c | c | c | c | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| i | i | i | i | | i | i | i/s | s | s | i | s | s | s | i | s | i | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| | | | | | | | | | | | | | | | | | | | |
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| c | c | c | c | | c | c | c/i | i/c | c | c | c | i | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| i | i | i | i | | i | i | i | i | i | i | i | i | i | i | i | i | s | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| d | c | d | d | | d | d | c | d | d | d | c | c | d | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | 1931 | 1936 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| c | c | c | c | | c | c | c | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | dead |
| i | i | i | i | | i | i | s | s | s | s | s | s | s | s | s | i | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| s | l | i | i | | s | s | s | s | s | s | i | i | s | s | s | i | s | | |
| l | i | i | i | | i | i | s/i | s | s | s | s | s | s | s | s | s | s | | |
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PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| i | i | i | i | | i | i | c | c | i/c | i | c | i | i | i | i | i | i | | |
| d | d | d | d | | d | d | d | c | c | c | d | d | d | d | d | d | d | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| c | c | c | c | | c | c | c | c | c | c | c | c | c | c | d | c | c | | |
| i | i | c | i | | c | c | i/c | s | s | s | c | s | s | c | i | i | i | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | c | d | d | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| c | c | i | i | | c | c/d | c | c | c | c | c | s | s | c | s | s | s | | |
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PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | 1931 | 1936 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| | | | | | | | | | | | | | | | | | | | dead |
| d | d | d | d | | c | c | c | c | c | | | | | | | | | | |
| s | s | i | i | | i | i | i/s | s | i | i | i | s | i | s | i | i | i | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| l | l | c | c | | c | c | c | c | s | s | s | s | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| d | d | d | d | | d | d | d | d/c | c | c | c | c | c | c | c | c | c | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | i | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| C | c | i | i | | c | c | i/c | i | i | c | i | s | s | s | s | s | i | | |
| d | d | d | d | | d | d | d | d/c | d/c | c | c | d | d | d | c | c | c | | |
| l | l | i | i | | i | i/c | i | s | c | c | c | c | c | s | s | c | s | | |
| | | | | | | | | | | | | | | | | | | | |
| d | c | c | c | | c | c | c | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| c | c | c | c | | c | c | c | c | c | c | d | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| c | c | c | c | | c | d/c | c | c | c | c | d | c | c | c | c | c | c | | |
| c | c | c | c | | c | d/c | c | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| s | l | i | i | | i | i | i | i | i | i | i | i | i | s | i | i | s | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| c | c | c | c | | c | d/c | c | c | c | c | c | c | c | c | c | c | c | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | dead |
| i | l | c | c | | i | i | i | s | s | s | i | i | i | i | i | i | i | | |
| | | | | | | | | | | | | | | | | | | | dead |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| C | c | c | c | | | | | | | | | | | | | | | | |
| C | l | i | i | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| s | s | s | s | | l | s | s | s | s | s | i | i | i | s | i | i | i | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | | s | | | |
| s | s | s | s | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | i | i | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| s | s | s | s | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | | | | | | | | | | |

PLOT 4A-1C

| copy class | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 1931 | 1936 |
| s | s | s | s | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | i | | |
| s | s | s | s | | s | s | s | s | s | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | i | s | s | i | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| | | | | | | | | | | | | | | | | | | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | s | s | s | | |
| s | s | s | s | | s | s | s | s | s | s | s | s | s | s | | | | | |
| s | s | s | s | | s | s | s | s | | | | | | | | | | | |
| | | | | | | | | s | s | s | s | s | s | s | s | s | s | | |
| | | | | | | | | | | | | | | s | ? | ? | | | |
| | | | | | | | | | | | | | | s | ? | s | | | |
| | | | | | | | | | | | | | | | s | s | s | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|-------|------|------|-----------------|------|------|------|------|------|---------------|
| dead | | | dead | | | | | | | |
| | dying | dead | | dead top broken | | | | | | |
| | | | | | dead | | | | | |
| | | | dead | | | | | | | |
| | | | | | | dead | | | | |
| | | | | | | | | | | sprout from b |
| dead | | | dead | | | | | | | |
| | | | | | | | | | | |
| | dead | | dead | | | | | | | |
| | dead | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | dead | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|-------|-------|------|------|------|------|------|------|------|------|
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | dead | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| dead | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | dying | dead | | | | | | | | |
| | | dying | | | | | | | | |
| | | | | | | | | | | |
| dead | | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | dead | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|------|------|------|-----------------------|------|------|------|------|------|------|
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | top broken, suckering | | | | | | |
| | | dead | | top broken | | | | | | |
| dead | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | dead, base sprouts | | | | | | |
| | | dead | | | | | | | | |
| | dead | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | dead | | | | |
| | | dead | | | | | | | | |
| | | | | | dead | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | dead | | | |
| | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|------|------|------|------|------|------------|------|------|------|------|
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | dead | | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | dead | | | | |
| | dead | | | | | | | | | |
| | | | | | | next to 78 | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|------|------|------|------|------|----------------|------|------|------|------|
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | dead | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| dead | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | down but alive | | | | |
| | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|-------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | dead | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | dead | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | dead | | | | | | |
| | | dead | | dead | | | | | | |
| | | dead | | | | | | | | |
| | dying | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | dead | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | dead | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | dead | | | | |
| | | | | dead | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| broken top | dead | | | | | | | | | |
| | | | | | | dead | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | dead | | | | |
| | | | | | | dead | | | | |
| | | | | | | | dead | | | |
| dead | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|------|------|------|----------|------|------|------|------|------|------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | dead | | | | | |
| | | | | | | dead | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | dead | | | | | | | | | |
| | dead | | | | | | | | | |
| | | | | | | | | | | |
| | | | | dead | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | top dead | | | | | | |
| | | | | dead | | | | | | |
| | | | | | | | | | | |
| | | | | | dead | | | | | |
| | | dead | | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|-------|----------------|------------------------------------|------|------|------|------|------|------|------------------|
| dead | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | partly blown d | dead blow down | | | | | | | |
| | | partly blown d | dead blow down | | | | | | | |
| | | partly blown d | dead blow down | | | | | | | |
| | | dead | | | | | | | | |
| | | | | | | | | | | |
| | | | partly uprooted leaning 45 degrees | | | | | | | |
| | | | partly uprooted leaning 45 degrees | | | | | | | |
| | | | | | | | | | | down still alive |
| | | | | | | dead | | | | |
| | | | | | | | dead | | | |
| | | | | dead | | | | | | |
| | dying | dead | | | | | | | | |
| | | | | dead | | | | | | |
| | | | | | | | | | | |
| | dead | | | | | | | | | |
| | | dead | | | | | | | | |

PLOT 4A-1C

| 1941 | 1945 | 1954 | 1961 | 1965 | 1973 | 1979 | 1983 | 1989 | 1993 | 1994 |
|------|------|------|------|------------------|------|------------------|------|------|------|------|
| | | | | bent over by 109 | | | | | | |
| | | | | sprout from 139 | | | | | | |
| | | | | next to 189 | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | near corner | | | | |
| | | | | | | near 178 | | | | |
| | | | | | | near 189 and 192 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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PLOT 4A-1C

| notes | | | | | | | | | | |
|--------------|------|------|-----------------------------------|------|-------------|----------|-------|------|---------------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| base see 249 | | | 1.7 inch sprout from base see 249 | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | almost dead | dead top | dead? | | dead | |
| | | | dead | | | | | | | |
| | | | same base as 15 | | | | | | | |
| | | | same base as 14 | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | lots of light | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|---------------------------|------|-------------|------|------|----------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | 31 and 32 same base | | | | | top dead | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | top dead | | dead | dead | dead | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | misnumbered in 73, change | | dead | | dead | | | |
| | | | dead | | | | | | | |
| | | | | | almost dead | | | | | |
| | | | dead see 41 | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| almost dead | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|-------------------------------|------|------|------|------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | 1996 top broke | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | 121, 122, 123 share same base | | | | | | | |
| | | | almost dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|------|------|----------|------|----------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | knot | | top dead | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | top dead | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | dead | dead | | dead | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
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| dead | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
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| | | | dead | | | | | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|------------------|------|-------------|------|------------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | top broken | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | sapsucker damage | | almost dead | | dead | | | |
| | | | | | | | top broken | | | |
| | | | dead | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|-------------------|----------|---------------|------|-------|--------------------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| dead | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | broken top, dying? | | |
| | | | | | | | | | | |
| dead | | | dead | | | | | | | |
| | | | | | | | | | | |
| | | | was tree 16a | | | | | | | |
| | | | near tree 19 | buck rub | | | dead | | | |
| | | | number 99 in 1989 | | attached to 6 | | | | | |
| | | | main trunk broke | | | | | | | |
| | | | near 106 and 115 | | | | | | | |
| | | | #173a before | | | | | | | |
| | | | near 229 | near 178 | | | | | | |
| | | | | | | | | | | |
| | | | near 209 and | dead | dead | | | | | |
| | | | near 208 | near 209 | | | dead? | | | |
| | | | #206a before | | | | | | | |
| | | | #206b before | | | | | | | |

PLOT 4A-1C

| notes | | | | | | | | | | |
|-------|------|------|----------------------|----------|------|------|--------|------|------|------|
| 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| | | | next to 206, damaged | | | | dying? | dead | | dead |
| | | | between 196 and 206 | | | | | | | |
| | | | near nw corner | | | | | | | |
| | | | near nw corner | | | | | | | |
| | | | near nw corner | near 199 | | | | | | |
| | | | sprout from 6 | | | | | | | |
| | | | formerly 35a | | | | | | | |
| | | | next to 212 | | | | | | | |
| | | | next to 212 | near 74 | | | | | | |
| | | | on 238 | near 178 | | | | | | |
| | | | | near 134 | | | | | | |
| | | | | | | | | | | |
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PLOT 4A-1C

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|------|-------------|------------|------|------|------|-------------|------|------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top damaged | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top damaged | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top damaged | broken top | | | | | | |
| | | top damaged | broken top | | | | | | |
| | | | | | | | paint faded | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top damaged | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

PLOT 4A-1C

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|------|-------------|------|------|------|------|------------|------|------|
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| | | | | | | | | | |
| | | top damaged | | | | | line faded | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | lost branch | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | slight bend | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

PLOT 4A-1C

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|------|------------|------------|-----------------|------------|------|--------------------------------|------|------|
| | | | | | | | | | |
| | | bent over | dead | | | | | | |
| | | bent over | | leaning heavily | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | bent over | broken top | no top/dying | broken top | | dead | dead | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top broken | | top broken | | | main stem broken but regrowing | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top dead | | | | | | | |
| | | | | | | | | | |
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PLOT 4A-1C

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|------|-------------|------------|-----------------|-------------------------------|---------|--------------|------|-------------|
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | top broken | | | broken, rotting, barely alive | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | bent over | | | | | number faded | | |
| | | top damaged | broken top | | | | | | Near SW Pos |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | bent over | | | | hh 1.9? | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | bent over | | leaning heavily | | | | | |
| | | bent over | | | | | | | |

PLOT 4A-1C

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|------|-------------------------|------|------------------|------|----------------------|--|-----------------------------|------|
| | | | | | | | | | |
| | | bent over | | needs paint line | | | | | |
| | | broken and down | | dead, toppled | | | | | |
| | | | | | | | | | |
| | | snapped and smashed | | dead | | | | | |
| | | bent over and top roken | | | | downed but sprouting | | alive | |
| | | | | | | | | | |
| | | not dead | | alive | | | needs dbh mark | | |
| | | | | | | | needs new tag | | |
| | | dead? | | broken top | | | dead | dead | |
| | | dead | | | | | | | |
| | | | | | | | | | |
| | | | | | | | new, near the post | | |
| | | | | | | | previous tag broken off, possibly 253? | | |
| | | | | | | | | new sprout next to 199 need | |

PLOT 4A-1C

| | |
|---------------------------------------|--|
| Notes | |
| 2016 | |
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| | |
| fallen down. Check if alive next year | |
| | |
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PLOT 4A-1C

| | |
|----------------------------------|--|
| Notes | |
| 2016 | |
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| | |
| | |
| YB? | |
| | |
| | |
| dead | |
| | |
| | |
| | |
| | |
| needs paint | |
| | |
| bark very weird... smooth patch? | |
| | |
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| | |

PLOT 4A-1C

| | |
|-----------------------------------|--|
| Notes | |
| 2016 | |
| | |
| very bent... reaching towards gap | |
| | |
| needs tag | |
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| | |
| needs tag; by tree 199 | |

Plot 4a-1c Arthurs Brook control. Rectangular plot established in 1931, size is 9568 square feet (approx. 100 feet b
Latitude- 41 24 14.41621 N
Longitude- 74 01 13.14134 W
Tree number- unique number assigned to each tree and painted on trunk 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 "o" for overtopped)

y 108 feet, minus stream area).

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

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

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, 5/7/46, 12

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

7/15/54, 7/21/61, 9/23/65, 7/24/73, 8/2/79, 6/13/84, 10/24/89, 8/21/93, 11/5/94, 7/6/95, 7/31/96, 8/7/97, 7/23/98, 7/20

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

1/99, 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, 9/9/14

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

)

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

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