| Heinselman                                      | Kilgore   | Flora Volume                     | Hardy & Others   | Morgan & Others                  |
|---|---|----------------------------------|--|----------------------------------|
| Frequent,<br>light surface fires (2)            | Frequent,<br>low-intensity surface fires (1)  |                                  |  |                                  |
| Infrequent,<br>light surface fires (1)          | Infrequent,<br>low-intensity surface fires (2)  | Understory fires<br>(forest)     | <35 yr.<br>– Low-severity fires ———<br>(forest)                  | Nonlethal fires<br>(forest)      |
| Infrequent,<br>severe surface fires (3)         | Infrequent,<br>high-intensity surface fires (3)   |                                  | <35 yr. Stand-<br>/ replacement fires<br>(any vegetation type)   | Nonlethal fires<br>(grassland)   |
| Short-return interval,<br>Crown fires (4)       | Short-return interval,<br>stand-replacement fires (4)   | Stand-<br>replacement            | 35-100+ yr. Stand-<br>replacement fires<br>(any vegetation type) | Stand-<br>replacement            |
| Very long-return interval, —<br>Crown fires (6) | Very long-return interval,<br>stand-replacement fires (6)   | (any vegetation type)            | 200+ yr. Stand-<br>replacement fires<br>(forest)                 | (forest & shrublands)            |
| Long-return interval,<br>Crown fires (5)        | Variable: Frequent,<br>low-intensity surface &<br>long return-interval<br>stand-replacement fires (5) | Mixed-severity<br>fires (forest) | 35-100+<br>Mixed-severity fires —<br>(forest)                    | Mixed-severity fires<br>(forest) |
| No natural fires (0)                            |   | Nonfire regimes                  | — No burn ———  | Rarely burns                     |

**Figure 1-1**—Comparison of fire regime classifications by Heinselman (1978), Kilgore (1981), Hardy and others (1998), Morgan and others (1998), and the Flora and Fuel Volume. Lines connect similar fire regime types. In parentheses, forest includes woodlands and grassland includes shrublands. Excerpted from Brown (2000) p. 4