

Table 9. Community of *Pinus sylvestris-Quercus* sp.div.

| Relève number | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Constancy class | Coverage coefficient |
|--|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|----------------------|
| Date: year, month, day | | 20050718 | 20050708 | 20050708 | 20050708 | 20050718 | 20050718 | 20050708 | 20050718 | 20050630 | 20050807 | 20050807 | 20050728 | 20050622 | 20050622 | 20050708 | 20050708 | 20050709 | 20050709 | 20050709 | 20050709 | 20050709 | 20050709 | 20050717 | 20050717 | 20050618 | | |
| Forest section and subsection | | 37FS070 | 30sS070 | 30sS070 | 30sS070 | 37FS070 | 37FS070 | 30sS070 | 37FS070 | 287FS0100 | 22IS0115 | 22IS0115 | 48c5S050 | 31gS0100 | 31gS0100 | 3019S085 | 3019S085 | 30hS085 | 30hS085 | 37hS095 | 37hS095 | 37hS095 | 37hS095 | 33g9S090 | 33g9S090 | 41dS0130 | | |
| Forest site | | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | B5w/BM5w | B5w/BM5w | B5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | BM5w/BM5w | | |
| Stand age class | Layer | IV | IV | IV | IV | IV | IV | IV | IV | V | VI | VI | III | V | V | V | V | V | V | V | V | V | V | V | V | VII | | |
| Maximum diameter [cm] | | 26 | 29 | 28 | 24 | 26 | 27 | 31 | 26 | 28 | 29 | 32 | 30 | 27 | 38 | 30 | 30 | 30 | 30 | 39 | 25 | 34 | 33 | 34 | 29 | 32 | | |
| Average diameter [cm] | | 20 | 21 | 20 | 20 | 23 | 22 | 20 | 23 | 24 | 25 | 25 | 18 | 22 | 27 | 25 | 21 | 21 | 23 | 29 | 22 | 28 | 25 | 26 | 27 | 24 | | |
| Coverage of a1 layer [%] | | 40 | 40 | 30 | 45 | 40 | 30 | 30 | 50 | 50 | 60 | 50 | 30 | 50 | 50 | 30 | 40 | 40 | 30 | 40 | 35 | 30 | 30 | 50 | 45 | 40 | | |
| Height of a1 layer [m] | | 19 | 17 | 17 | 17 | 19 | 19 | 17 | 19 | 19 | 21 | 19 | 21 | 24 | 23 | 17 | 19 | 18 | 18 | 21 | 19 | 17 | 19 | 20 | 21 | 21 | | |
| Coverage of a2 layer [%] | | | | 20 | 15 | 15 | 5 | 50 | 40 | | 10 | | 70 | 20 | 20 | 50 | 30 | 50 | 10 | 5 | 60 | 30 | 30 | 20 | 50 | | | |
| Height of a2 layer [m] | | | | 9 | 9 | 9 | 10 | 9 | 11 | | 9 | | 9 | 10 | 14 | 9 | 11 | | 11 | 10 | 10 | 13 | 9 | 13 | 12 | 11 | | |
| Coverage of b1 layer [%] | | 40 | 20 | 30 | 30 | 25 | 30 | 20 | 30 | 25 | 10 | 20 | 10 | 1 | | 20 | 50 | 40 | 10 | 5 | 10 | 1 | 40 | 5 | 5 | | | |
| Height of b1 layer [m] | | 7 | 6 | 7 | 7 | 7 | 6.5 | 6 | 6 | 6 | 4 | 5 | 7 | 5 | | 7 | 6 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | | | |
| Coverage of b2 layer [%] | | 10 | 20 | 20 | 10 | 10 | 15 | 10 | 5 | 5 | 15 | 15 | 15 | 5 | | 1 | 10 | 10 | 1 | 5 | 5 | 5 | 5 | 10 | | | | |
| Height of b2 layer [m] | | 2 | 2.5 | 2.5 | 2.5 | 2 | 2.5 | 1.5 | 2 | 1.5 | 2.5 | 2 | 1.5 | | | 2 | 1.5 | 2 | 2 | 2.5 | 2 | | 2.5 | 1.5 | 2 | | | |
| Coverage of c layer [%] | | 25 | 30 | 5 | 30 | 20 | 20 | 10 | 10 | 50 | 25 | 30 | 10 | 50 | 50 | 5 | 20 | 40 | 40 | 20 | 60 | 40 | 20 | 15 | 25 | 20 | 50 | |
| Coverage of d layer [%] | | 70 | 80 | 40 | 70 | 50 | 70 | 25 | 70 | 40 | 50 | 50 | 5 | 20 | 5 | 20 | 40 | 40 | 20 | 70 | 90 | 10 | 15 | 40 | 40 | 30 | | |
| Number of species | | 21 | 18 | 21 | 23 | 20 | 19 | 22 | 17 | 16 | 19 | 20 | 17 | 20 | 15 | 23 | 15 | 22 | 20 | 22 | 15 | 27 | 20 | 21 | 24 | 11 | | |
| H' | | 1.7 | 1.7 | 1.8 | 1.9 | 1.9 | 1.9 | 2.0 | 1.7 | 1.9 | 1.8 | 1.9 | 1.5 | 2.0 | 1.6 | 1.9 | 1.7 | 1.7 | 1.9 | 1.8 | 1.5 | 2.2 | 1.8 | 1.9 | 1.9 | 1.7 | | |
| J' | | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.7 | | |
| Trees and shrubs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Pinus sylvestris</i> | a1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | V | 3640 |
| <i>Quercus petraea</i> | a1 | . | . | . | . | . | . | . | . | . | . | . | . | 3 | 2 | . | . | . | . | . | . | . | . | . | . | . | I | 220 |
| <i>Quercus petraea</i> | a2 | . | . | 2 | 2 | 2 | . | 3 | . | . | 1 | . | 4 | 2 | 2 | 1 | 1 | . | 3 | . | 1 | 2 | 2 | 2 | 3 | IV | 1340 | |
| <i>Betula pendula</i> | a2 | . | . | . | . | . | 1 | 1 | . | . | . | . | . | . | + | 1 | 1 | . | . | 1 | 1 | 2 | 1 | 1 | . | II | 232 | |
| <i>Quercus robur</i> | a2 | . | . | . | . | . | . | + | . | . | . | . | . | . | . | 3 | 2 | . | 2 | . | 2 | 1 | . | . | . | II | 382 | |
| <i>Fagus sylvatica</i> | a2 | . | . | . | + | . | . | 1 | 3 | . | . | . | . | . | . | . | . | . | . | . | 1 | . | . | . | 1 | I | 212 | |
| <i>Picea abies</i> | a2 | . | . | . | . | . | . | . | . | . | . | . | + | . | . | . | . | . | . | . | . | . | . | 2 | 1 | I | 92 | |
| <i>Quercus robur</i> | b1 | + | + | + | 2 | + | 1 | 2 | + | 2 | . | 1 | . | . | . | 1 | 3 | 3 | + | . | . | . | 3 | . | . | III | 732 | |
| <i>Betula pendula</i> | b1 | + | . | + | + | + | 1 | + | + | 2 | + | . | . | . | . | + | . | . | . | 1 | 1 | . | + | + | + | III | 152 | |
| <i>Quercus petraea</i> | b1 | 1 | . | 2 | + | 2 | + | 2 | + | 2 | . | 1 | 2 | 1 | . | . | 2 | + | . | 1 | . | . | 1 | . | . | III | 526 | |
| <i>Fagus sylvatica</i> | b1 | + | 1 | . | + | + | . | + | + | . | . | . | . | . | . | . | . | . | . | + | 1 | + | . | . | . | II | 54 | |
| <i>Abies alba</i> | b1 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | + | 1 | + | . | . | . | . | II | 490 | |
| <i>Pinus sylvestris</i> | b1 | . | . | . | . | . | . | . | . | . | . | + | . | . | . | . | 1 | + | . | . | 1 | . | . | 1 | + | II | 66 | |
| <i>Picea abies</i> | b1 | . | . | . | . | . | . | . | . | . | . | . | 1 | + | . | . | . | . | . | . | . | . | . | + | + | I | 28 | |
| <i>Sorbus aucuparia</i> | b1 | . | . | . | . | . | . | + | . | . | . | . | . | . | . | . | . | . | + | . | . | . | . | . | . | I | 6 | |
| <i>Quercus robur</i> | b2 | + | 1 | 1 | 1 | + | + | + | + | + | 1 | 2 | . | . | . | . | + | 1 | 1 | . | 1 | + | . | . | . | IV | 228 | |
| <i>Pinus sylvestris</i> | b2 | + | . | . | . | + | + | + | + | . | 1 | + | . | . | . | . | . | . | . | 1 | + | + | . | . | 1 | III | 78 | |
| <i>Abies alba</i> | b2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | + | 1 | 1 | + | . | . | . | . | . | . | . | . | . | . | . | . | . | II | 292 | |
| <i>Betula pendula</i> | b2 | . | . | . | . | . | . | . | + | 1 | 1 | + | . | . | . | . | . | . | . | . | . | . | . | . | . | II | 52 | |
| <i>Quercus petraea</i> | b2 | + | + | + | . | + | . | 1 | + | . | . | . | . | . | . | . | . | . | . | + | . | . | . | . | . | II | 32 | |
| <i>Picea abies</i> | b2 | . | . | . | . | . | . | . | . | . | . | . | 2 | 1 | . | . | . | . | . | . | . | . | . | 1 | 1 | I | 132 | |
| <i>Sorbus aucuparia</i> | b2 | . | . | . | + | + | + | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | I | 8 | |
| <i>Pinus sylvestris</i> | c | + | + | + | + | + | + | + | + | . | . | . | + | + | + | + | + | + | + | + | + | + | + | + | + | V | 42 | |
| <i>Sorbus aucuparia</i> | c | + | + | + | + | + | + | + | + | . | + | + | . | + | + | + | + | + | . | + | . | + | + | r | + | IV | 38 | |
| <i>Quercus petraea</i> | c | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | + | + | + | . | IV | 36 | |
| <i>Quercus robur</i> | c | + | . | . | + | + | + | + | + | + | + | + | . | . | . | . | + | + | . | + | 1 | + | + | . | . | IV | 50 | |
| <i>Betula pendula</i> | c | + | . | . | . | + | . | + | . | + | + | + | . | + | . | . | . | . | . | + | 1 | . | . | . | . | II | 36 | |
| <i>Frangula alnus</i> | c | . | . | . | . | r | + | . | . | . | . | . | . | + | . | . | . | . | . | + | . | + | + | . | . | II | 12 | |
| <i>Quercus rubra</i> | c | . | . | . | + | . | . | . | . | . | + | + | . | . | . | . | . | . | . | . | . | . | + | r | + | II | 10 | |
| Sporadic species: a1 – <i>Betula pendula</i> 12(2), 14(+), <i>Picea abies</i> 13(1); a2 – <i>Abies alba</i> 3(1), 7(1), <i>Pinus sylvestris</i> 12(+), 1(1), <i>Quercus rubra</i> 10(1), <i>Sorbus aucuparia</i> 8(+); b1 – <i>Larix decidua</i> 24(+), <i>Padus avium</i> 21(+), <i>Quercus rubra</i> 10(+); b2 – <i>Fagus sylvatica</i> 19(+), 22(+), <i>Frangula alnus</i> 6(+), <i>Larix decidua</i> 23(+), 24(+); c – <i>Abies alba</i> 2(+), <i>Acer campestre</i> 11(r), <i>A. platanoides</i> 22(r), <i>Fagus sylvatica</i> 4(+), 8(+), <i>Padus serotina</i> 15(+), <i>Pyrus communis</i> 21(+), <i>Tilia cordata</i> 11(+) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D. <i>Quercetea robori-petraea</i>, <i>Quercetalia robori-petraea</i> et <i>Quercion robori-petraea</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Polytrichastrum formosum</i> | d | + | + | + | + | . | . | + | . | . | + | . | . | . | . | . | . | + | . | + | . | + | . | . | . | III | 22 | |
| <i>Holcus mollis</i> | c | + | . | + | . | + | + | + | + | . | . | . | + | . | . | . | . | . | . | + | . | + | . | . | . | II | 18 | |
| Sporadic species: <i>Calamagrostis arundinacea</i> 12(+) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accompanying species | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ch. <i>Vaccinio-Piceetea</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Pleurozium schreberi</i> | d | 4 | 5 | 3 | 4 | 3 | 4 | 2 | 4 | 3 | 3 | 3 | 1 | 1 | + | 2 | 3 | 3 | 2 | 4 | 5 | 1 | 2 | 3 | 3 | 3 | V | 3792 |
| <i>Vaccinium myrtillus</i> | c | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | V | 2270 |
| <i>Vaccinium vitis-idaea</i> | c | + | + | + | + | + | . | . | + | . | + | + | + | + | + | . | + | + | + | + | + | + | + | + | + | + | V | 42 |
| <i>Dicranum scoparium</i> | d | . | + | + | . | . | . | . | . | . | + | + | . | . | . | + | + | + | . | . | . | . | + | + | . | II | 20 | |
| <i>Melampyrum pratense</i> | c | + | . | . | . | . | . | . | . | . | + | . | + | + | + | . | + | + | . | + | . | . | . | . | . | II | 18 | |
| <i>Dicranum polysetum</i> | d | . | . | . | . | . | . | . | . | . | + | + | . | + | . | . | . | . | . | . | 1 | . | . | + | + | II | 32 | |
| Sporadic species: <i>Monotropa hypopitys</i> 7(+) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ch. <i>Nardo-Callunetea</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Hypnum jutlandicum</i> | d | + | + | + | + | + | + | + | + | 1 | + | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | V | 86 |
| <i>Pohlia nutans</i> | d | + | + | + | + | + | + | + | + | . | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | V | 48 |
| <i>Carex pilulifera</i> | c | . | . | . | . | . | . | . | . | + | + | . | . | . | . | . | . | . | . | + | . | . | . | . | . | I | 6 | |
| <i>Ptilidium ciliare</i> | d | . | . | . | . | . | . | + | . | . | . | + | . | . | . | . | . | . | . | . | . | . | . | . | . | I | 6 | |
| Sporadic species: <i>Calluna vulgaris</i> 11(+), 19(+) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Deschampsia flexuosa</i> | c | + | 1 | + | + | + | + | + | + | 1 | 1 | + | + | 1 | 2 | + | + | 1 | 1 | 1 | + | 1 | + | + | + | V | 262 | |
| <i>Sciuro-hypnum oedipodium</</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |