

**Załącznik nr 1**

Lista mchów oznaczonych przez prof. dr hab. Adama Stebla w ramach projektu „Zróżnicowanie florystyczne zarośli *Pinus mugo* w Tatrzańskim Parku Narodowym”

Nazewnictwo zostało przyjęte za Ochyra i in. 2003<sup>1</sup>

| <b>Nr próby</b> | <b>Nr zdjęcia</b> | <b>Gatunki</b>   | <b>Współrzędne</b>         | <b>Wysokość m n.p.m.</b> |
|-----------------|-------------------|--|----------------------------|--------------------------|
| 1               | 1                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Sphagnum quinquefarium</i>   | 19.95739000<br>49.23374000 | 1841                     |
| 2               | 2                 | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Hylocomiastrum umbratum</i>   | 19.89101000<br>49.22928000 | 1665                     |
| 3               | 3                 | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Hylocomiastrum umbratum</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i>                                | 19.88709000<br>49.22930000 | 1642                     |
| 4               | 4                 | <i>Pleurozium schreberi</i><br><i>Ctenidium molluscum</i><br><i>Fissidens dubius</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Tortella tortuosa</i>  | 19.78594000<br>49.24614000 | 1662                     |
| 5               | 5                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sphagnum capillifolium</i> | 19.97651000<br>49.24123000 | 1639                     |
| 6               | 6                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>  | 19.97795000<br>49.24013000 | 1698                     |
| 7               | 7                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>  | 19.97826000<br>49.23769000 | 1781                     |
| 8               | 8                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum capillifolium</i>   | 19.81417000<br>49.23589000 | 1133                     |
| 9               | 9                 | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 19.94916000<br>49.23675000 | 1753                     |

<sup>1</sup> Ochyra R., Żarnowiec J. i Bednarek-Ochyra H. 2003. Census catalogue of Polish mosses. Biodiversity of Poland. Vol. 3. W. Szafer Institute of Botany, Polish Academy of Sciences, Kraków.

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>  |                            |                   |
| 10       | 10         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Pohlia nutans</i>  | 19.83521000<br>49.20078000 | 1753              |
| 11       | 11         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Rhytidiadelphus loreus</i>  | 19.84098000<br>49.19908000 | 1691              |
| 12       | 12         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum girgensohnii</i><br><i>Polytrichum strictum</i><br><i>Racomitrium lanuginosum</i>     | 20.03412000<br>49.24332000 | 1615              |
| 13       | 13         | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum capillifolium</i><br><i>Polytrichum strictum</i><br><i>Racomitrium lanuginosum</i><br><i>Dicranum fuscescens</i>     | 20.03892000<br>49.23699000 | 1737              |
| 14       | 14         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sciuro-hypnum starkei</i>  | 19.96132000<br>49.23421000 | 1681              |
| 15       | 15         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i> | 19.96273000<br>49.23600000 | 1621              |
| 16       | 16         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Plagiomnium affine</i> | 19.96474000<br>49.23834000 | 1588              |
| 17       | 17         | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>   | 19.94070000<br>49.26493000 | 1363              |
| 18       | 18         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 19.99290000<br>49.24023000 | 1804              |

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Sphagnum capillifolium</i>  |                            |                   |
| 19       | 19         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Orthodicranum montanum</i>  | 19.87020000<br>49.21355000 | 1584              |
| 20       | 20         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i> | 19.87277000<br>49.21185000 | 1685              |
| 21       | 21         | <i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>  | 19.87120000<br>49.21545000 | 1455              |
| 22       | 22         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum capillifolium</i><br><i>Polytrichum strictum</i>  | 19.87695000<br>49.20995000 | 1788              |
| 23       | 23         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Racomitrium lanuginosum</i><br><i>Polytrichastrum alpinum</i>                                     | 20.03770000<br>49.23204000 | 1791              |
| 24       | 24         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Racomitrium lanuginosum</i>                                    | 20.03718000<br>49.23459000 | 1774              |
| 25       | 25         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 20.03931000<br>49.24074000 | 1683              |
| 26       | 26         | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Polytrichum strictum</i><br><i>Sphagnum russowii</i><br><i>Sphagnum subsecundum</i>            | 20.03704000<br>49.24074000 | 1655              |
| 27       | 27         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i>                                     | 20.06311000<br>49.21490000 | 1712              |

| <b>Nr próby</b> | <b>Nr zdjęcia</b> | <b>Gatunki</b>   | <b>Współrzędne</b>         | <b>Wysokość m n.p.m.</b> |
|-----------------|-------------------|--|----------------------------|--------------------------|
| 28              | 28                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i>   | 20.06791000<br>49.21613000 | 1706                     |
| 29              | 29                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>  | 20.06758000<br>49.21422000 | 1697                     |
| 30              | 30                | <i>Dicranum scoparium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>  | 20.06762000<br>49.21214000 | 1691                     |
| 31              | 31                | <i>Tortella tortuosa</i>   | 19.83623000<br>49.23510000 | 1611                     |
| 32              | 32                | <i>Dicranum scoparium</i>  | 19.95865000<br>49.23518000 | 1611                     |
| 33              | 33                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum capillifolium</i><br><i>Racomitrium lanuginosum</i><br><i>Polytrichastrum alpinum</i>                                 | 19.96469000<br>49.24199000 | 1472                     |
| 34              | 34                | <i>Sphagnum quinquefarium</i><br><i>Sphagnum girgensohnii</i>  | 19.89508000<br>49.21861000 | 1518                     |
| 35              | 35                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i>   | 19.89643000<br>49.21788000 | 1570                     |
| 36              | 36                | <i>Dicranum scoparium</i><br><i>Sphagnum quinquefarium</i><br><i>Sphagnum capillifolium</i>  | 19.89510000<br>49.21988000 | 1473                     |
| 37              | 37                | <i>Hylocomium splendens</i><br><i>Rhytidiadelphus triquetrus</i>   | 19.96387000<br>49.26374000 | 1344                     |
| 38              | 38                | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i>  | 19.96704000<br>49.23994000 | 1525                     |
| 39              | 39                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 19.98669000<br>49.23399000 | 1843                     |
| 40              | 40                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Polytrichum strictum</i><br><i>Racomitrium lanuginosum</i> | 19.99801000<br>49.22749000 | 1707                     |

| <b>Nr próby</b> | <b>Nr zdjęcia</b> | <b>Gatunki</b>  | <b>Współrzędne</b>         | <b>Wysokość m n.p.m.</b> |
|-----------------|-------------------|---|----------------------------|--------------------------|
| 41              | 41                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>  | 20.00661000<br>49.22610000 | 1821                     |
| 42              | 42                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>  | 20.00680000<br>49.23094000 | 1732                     |
| 43              | 43                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i>   | 19.98873000<br>49.23204000 | 1833                     |
| 44              | 44                | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Tortella tortuosa</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Plagiomnium affine</i><br><i>Campylium stellatum</i><br><i>Entodon concinnus</i><br><i>Rhizomnium punctatum</i><br><i>Warnstorfia fluitans</i> | 19.99985000<br>49.25913000 | 1387                     |
| 45              | 45                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus squarrosus</i>   | 19.80511000<br>49.22323000 | 1648                     |
| 46              | 46                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Plagiomnium undulatum</i>   | 19.99749000<br>49.25246000 | 1389                     |
| 47              | 47                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Ctenidium molluscum</i><br><i>Fissidens dubius</i><br><i>Rhytidiadelphus loreus</i><br><i>Plagiomnium affine</i>  | 20.00116000<br>49.25328000 | 1543                     |
| 48              | 48                | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i>  | 20.00011000<br>49.24123000 | 1573                     |
| 49              | 49                | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Polytrichastrum formosum</i>   | 19.99891000<br>49.23840000 | 1583                     |

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Sphagnum girgensohnii</i>   |                            |                   |
| 50       | 50         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>  | 20.03957000<br>49.21514000 | 1733              |
| 51       | 51         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Pohlia nutans</i><br><i>Rhytidiadelphus loreus</i><br><i>Oligotrichum hercynicum</i>         | 20.02025000<br>49.23272000 | 1630              |
| 52       | 52         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus subpinnatus</i>  | 20.06022000<br>49.21555000 | 1784              |
| 53       | 53         | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i>   | 20.03760000<br>49.21085000 | 1688              |
| 54       | 54         | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>  | 20.04698000<br>49.21106000 | 1683              |
| 55       | 55         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Dicranodontium denudatum</i>   | 20.01155000<br>49.23763000 | 1546              |
| 56       | 56         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i><br><i>Racomitrium lanuginosum</i><br><i>Polytrichastrum alpinum</i> | 20.01446000<br>49.23055000 | 1647              |
| 57       | 57         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i>   | 20.01343000<br>49.23492000 | 1572              |

| <b>Nr próby</b> | <b>Nr zdjęcia</b> | <b>Gatunki</b>  | <b>Współrzędne</b>         | <b>Wysokość m n.p.m.</b> |
|-----------------|-------------------|---|----------------------------|--------------------------|
| 58              | 58                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Racomitrium lanuginosum</i>                                  | 20.04990000<br>49.21051000 | 1688                     |
| 59              | 59                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Sphagnum girgensohnii</i> | 19.99551000<br>49.23648000 | 1636                     |
| 60              | 60                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Tortella tortuosa</i><br><i>Campylium stellatus</i><br><i>Brachythecium glareosum</i><br><i>Pseudoleskeella catenulata</i><br><i>Syntrichia norvegica</i>      | 19.99344000<br>49.23140000 | 1736                     |
| 61              | 61                | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus squarrosus</i>                            | 20.00448000<br>49.24478000 | 1547                     |
| 62              | 62                | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>   | 20.00531000<br>49.24210000 | 1515                     |
| 63              | 63                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Racomitrium lanuginosum</i><br><i>Dicranum flexicaule</i>   | 20.02402000<br>49.22868000 | 1693                     |
| 64              | 64                | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i>                                  | 19.80118000<br>49.21990000 | 1685                     |
| 65              | 65                | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i>   | 20.04939000<br>49.21389000 | 1679                     |

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Ptilium crista-castrensis</i>   |                            |                   |
| 66       | 66         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Rhytidiadelphus loreus</i><br><i>Hypnum cupressiforme</i>   | 19.99459000<br>49.26105000 | 1356              |
| 67       | 67         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i>   | 19.90876800<br>49.24641200 | 1640              |
| 68       | 68         | <i>Hylocomium splendens</i><br><i>Rhytidiadelphus triquetrus</i>   | 19.91086800<br>49.24704600 | 1692              |
| 69       | 69         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Rhytidiadelphus triquetrus</i>  | 19.90759900<br>49.24519700 | 1562              |
| 70       | 70         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Pohlia nutans</i><br><i>Herzogiella striatella</i>           | 20.02107777<br>49.21000280 | 1858              |
| 71       | 71         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Tortella tortuosa</i><br><i>Dicranum fuscescens</i>   | 20.02540277<br>49.21183890 | 1822              |
| 72       | 72         | <i>Dicranum scoparium</i><br><i>Plagiothecium curvifolium</i><br><i>Sciuro-hypnum starkei</i><br><i>Rhytidiadelphus subpinnatus</i><br><i>Niphotrichum canescens</i>   | 19.89186111<br>49.24170560 | 1693              |
| 73       | 73         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>  | 19.89089167<br>49.24294720 | 1674              |
| 74       | 74         | <i>Dicranum scoparium</i><br><i>Plagiothecium curvifolium</i>  | 19.88562770<br>49.24507220 | 1575              |
| 75       | 75         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Sphagnum quinquefarium</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus subpinnatus</i> | 19.88696944<br>49.24236110 | 1692              |
| 76       | 76         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>  | 19.88172780<br>49.24101390 | 1673              |

| Nr próby | Nr zdjęcia | Gatunki   | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|---|----------------------------|-------------------|
|          |            | <i>Plagiothecium curvifolium</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Ptilium crista-castrensis</i>  |                            |                   |
| 77       | 77         | <i>Dicranum scoparium</i><br><i>Sphagnum girgensohnii</i>   | 19.83496100<br>49.23059000 | 1514              |
| 78       | 78         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i><br><i>Polytrichum strictum</i><br><i>Racomitrium lanuginosum</i> | 19.81867800<br>49.21498200 | 1376              |
| 79       | 79         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum girgensohnii</i>  | 19.80938900<br>49.21564200 | 1660              |
| 80       | 80         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i>   | 19.81211400<br>49.21106100 | 1688              |
| 81       | 81         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>   | 19.83349700<br>49.22439900 | 1799              |
| 82       | 82         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Sphagnum girgensohnii</i>   | 19.83845900<br>49.22246100 | 1698              |
| 83       | 83         | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 19.83684700<br>49.22440100 | 1660              |
| 84       | 84         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i>  | 19.83416300<br>49.22628000 | 1756              |
| 85       | 85         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i>   | 19.83594000<br>49.22850600 | 1565              |
| 86       | 86         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i>   | 19.83502900<br>49.21143600 | 1798              |
| 87       | 87         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Polytrichastrum formosum</i><br><i>Ptilium crista-castrensis</i>   | 19.83179100<br>49.20726100 | 1730              |
| 88       | 88         | <i>Dicranum scoparium</i>   | 19.82939200                | 1599              |

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>  | 49.21191500                |                   |
| 89       | 89         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Sphagnum girgensohnii</i>   | 19.77002416<br>49.23659390 | 1618              |
| 90       | 90         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Orthodicranum montanum</i>   | 19.80238472<br>49.21656920 | 1641              |
| 91       | 91         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Rhytidiadelphus loreus</i><br><i>Buckiella undulata</i>  | 19.80282306<br>49.21402530 | 1626              |
| 92       | 92         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i> | 19.80151278<br>49.21031690 | 1597              |
| 93       | 93         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Sphagnum capillifolium</i><br><i>Sciuro-hypnum starkei</i>                                    | 19.79641917<br>49.20779030 | 1571              |
| 94       | 94         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum girgensohnii</i><br><i>Rhytidiadelphus loreus</i>   | 19.79348444<br>49.20468330 | 1628              |
| 95       | 95         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Rhytidiadelphus loreus</i>  | 19.79039361<br>49.20329780 | 1653              |
| 96       | 96         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i>  | 19.78569028<br>49.20214440 | 1653              |
| 97       | 97         | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>   | 19.78327083<br>49.21155000 | 1750              |
| 98       | 98         | <i>Dicranum scoparium</i>  | 19.78303833                | 1636              |

| Nr próby | Nr zdjęcia | Gatunki   | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|---|----------------------------|-------------------|
|          |            | <i>Hylocomium splendens</i><br><i>Sphagnum girgensohnii</i>   | 49.21405640                |                   |
| 99       | 99         | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Ctenidium molluscum</i><br><i>Tortella tortuosa</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Hypnum cupressiforme</i>  | 19.95738220<br>49.26431610 | 1147              |
| 100      | 100        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Dicranodontium denudatum</i>   | 19.96145972<br>49.26437830 | 1292              |
| 101      | 101        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichum commune</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i>       | 19.77171500<br>49.21478470 | 1517              |
| 102      | 102        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i><br><i>Rhytidiadelphus loreus</i>    | 19.77444749<br>49.21199310 | 1583              |
| 103      | 103        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i>  | 19.77328750<br>49.21027580 | 1603              |
| 104      | 104        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Sphagnum girgensohnii</i> | 19.77055778<br>49.21048940 | 1620              |
| 106      | 105        | <i>Dicranum scoparium</i><br><i>Sphagnum girgensohnii</i><br><i>Sphagnum capillifolium</i>  | 19.76657811<br>49.20991810 | 1796              |
| 106      | 106        | <i>Dicranum scoparium</i><br><i>Sphagnum girgensohnii</i><br><i>Sphagnum capillifolium</i>  | 19.76745639<br>49.21384220 | 1594              |
| 107      | 107        | <i>Dicranum scoparium</i><br><i>Plagiothecium curvifolium</i><br><i>Sphagnum girgensohnii</i>   | 19.76601972<br>49.21655530 | 1665              |
| 108      | 108        | <i>Hylocomium splendens</i><br><i>Dicranum scoparium</i>  | 19.76979472<br>49.21737610 | 1577              |

| Nr próby | Nr zdjęcia | Gatunki   | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|---|----------------------------|-------------------|
|          |            | <i>Pleurozium schreberi</i>   |                            |                   |
| 109      | 109        | <i>Hylocomium splendens</i><br><i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum girgensohnii</i>   | 19.77760110<br>49.23872670 | 1375              |
| 110      | 110        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Sanionia uncinata</i>  | 19.76638890<br>49.23470030 | 1623              |
| 111      | 111        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i>   | 19.76924444<br>49.23222440 | 1579              |
| 112      | 112        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i>  | 19.77141944<br>49.23005580 | 1566              |
| 113      | 113        | <i>Dicranum scoparium</i><br><i>Orthodicranum montanum</i>  | 19.77150250<br>49.22739390 | 1539              |
| 114      | 114        | <i>Dicranum scoparium</i><br><i>Hylocomiastrum umbratum</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i><br><i>Rhytidiadelphus loreus</i> | 19.77240805<br>49.22457610 | 1517              |
| 115      | 115        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Orthodicranum montanum</i>   | 19.77267280<br>49.22222080 | 1577              |
| 116      | 116        | <i>Hylocomium splendens</i><br><i>Sphagnum girgensohnii</i><br><i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i>  | 19.76631889<br>49.22090000 | 1734              |
| 117      | 117        | <i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i>   | 19.94210889<br>49.26425140 | 1349              |
| 118      | 118        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Plagiomnium affine</i>   | 20.07582000<br>49.21052000 | 1358              |
| 119      | 119        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus loreus</i><br><i>Sanionia uncinata</i>           | 20.07549000<br>49.21093000 | 1371              |
| 120      | 120        | <i>Pleurozium schreberi</i><br><i>Polytrichum commune</i>   | 20.02529000<br>49.24748000 | 1526              |

| Nr próby | Nr zdjęcia | Gatunki   | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|---|----------------------------|-------------------|
|          |            | <i>Sphagnum quinquefarium</i><br><i>Ptilium crista-castrensis</i><br><i>Brachytheciastrum velutinum</i>   |                            |                   |
| 121      | 121        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i>   | 20.01892000<br>49.24510000 | 1419              |
| 122      | 122        | <i>Plagiothecium curvifolium</i><br><i>Tortella tortuosa</i><br><i>Sciuro-hypnum starkei</i><br><i>Hypnum cupressiforme</i><br><i>Brachytheciastrum velutinum</i><br><i>Sciuro-hypnum reflexum</i><br><i>Brachythecium salebrosum</i> | 19.92708000<br>49.24948000 | 1625              |
| 123      | 123        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Sciuro-hypnum reflexum</i><br><i>Hypnum pallescens</i>   | 19.92989000<br>49.24959000 | 1690              |
| 124      | 124        | <i>Plagiothecium curvifolium</i><br><i>Sciuro-hypnum reflexum</i>   | 20.00624000<br>49.24923000 | 1577              |
| 125      | 125        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sanionia uncinata</i>   | 20.00779000<br>49.25182000 | 1536              |
| 126      | 126        | <i>Hylocomium splendens</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sciuro-hypnum starkei</i><br><i>Sanionia uncinata</i>  | 20.00394000<br>49.25518000 | 1510              |
| 127      | 127        | <i>Hylocomium splendens</i><br><i>Brachythecium glareosum</i><br><i>Sciuro-hypnum reflexum</i><br><i>Brachythecium salebrosum</i>   | 20.00383000<br>49.25474000 | 1501              |
| 128      | 128        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sciuro-hypnum reflexum</i><br><i>Plagiothecium nemorale</i>                                     | 19.93227000<br>49.24673000 | 1726              |
| 129      | 129        | <i>Dicranum scoparium</i><br><i>Plagiothecium curvifolium</i><br><i>Rhizomnium punctatum</i><br><i>Brachythecium rivulare</i>   | 19.93529000<br>49.24627000 | 1602              |
| 130      | 130        | <i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sciuro-hypnum reflexum</i>  | 19.94037000<br>49.24623000 | 1491              |
| 131      | 131        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Rhytidiadelphus triquetrus</i>   | 19.93455000<br>49.24957000 | 1806              |
| 132      | 132        | <i>Dicranum scoparium</i>   | 19.89463000                | 1787              |

| Nr próby | Nr zdjęcia | Gatunki  | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|--|----------------------------|-------------------|
|          |            | <i>Hylocomium splendens</i><br><i>Tortella tortuosa</i><br><i>Rhytidiadelphus triquetrus</i><br><i>Sciuro-hypnum starkei</i><br><i>Sanionia uncinata</i><br><i>Brachytheciastrum velutinum</i>   | 49.23050000                |                   |
| 133      | 133        | <i>Dicranum scoparium</i>  | 19.89479000<br>49.22841000 | 1670              |
| 134      | 134        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Tortella tortuosa</i>   | 19.89800000<br>49.22715000 | 1655              |
| 135      | 135        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Hylocomiastrum umbratum</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus squarrosus</i><br><i>Rhytidiadelphus subpinnatus</i><br><i>Sciuro-hypnum reflexum</i> | 19.90438000<br>49.21934000 | 1686              |
| 136      | 136        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Polytrichum strictum</i><br><i>Pleurozium schreberi</i>  | 19.93172000<br>49.24458000 | 1775              |
| 137      | 137        | <i>Dicranum scoparium</i><br><i>Sphagnum quinquefarium</i><br><i>Plagiothecium curvifolium</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum capillifolium</i><br><i>Rhytidiadelphus loreus</i><br><i>Plagiothecium nemorale</i>                                     | 19.94278000<br>49.23784000 | 1654              |
| 138      | 138        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Sciuro-hypnum starkei</i><br><i>Rhytidiadelphus subpinnatus</i>   | 19.94484000<br>49.24142000 | 1506              |
| 139      | 139        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Dicranum flexicaule</i>  | 20.03676000<br>49.24667000 | 1573              |
| 140      | 140        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Dicranum fuscescens</i><br><i>Dicranum flexicaule</i>   | 20.03593000<br>49.24836000 | 1553              |

| Nr próby | Nr zdjęcia | Gatunki   | Współrzędne                | Wysokość m n.p.m. |
|----------|------------|---|----------------------------|-------------------|
| 141      | 141        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i>                                  | 20.03352000<br>49.24504000 | 16041             |
| 142      | 142        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i>   | 20.02745000<br>49.24359000 | 1617              |
| 143      | 143        | <i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i>  | 20.02445000<br>49.24452000 | 1563              |
| 144      | 144        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Orthodicranum montanum</i>  | 20.01944000<br>49.24328000 | 1495              |
| 145      | 145        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i>   | 19.89464000<br>49.24471000 | 1399              |
| 146      | 146        | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Pleurozium schreberi</i><br><i>Sphagnum quinquefarium</i><br><i>Orthodicranum montanum</i><br><i>Polytrichastrum alpinum</i> | 19.90198000<br>49.24351000 | 1346              |
| 147      | 147        | <i>Pleurozium schreberi</i>   | 20.05994444<br>49.19983333 | 1693              |
| 148      | 148        | <i>Pleurozium schreberi</i><br><i>Bucklandiella microcarpa</i>  | 20.05722222<br>49.19738889 | 1649              |
| 149      | 151        | <i>Rhytidiadelphus loreus</i><br><i>Polytrichastrum alpinum</i>   | 20.07200000<br>49.18950000 | 1642              |
| 150      | 152        | <i>Pleurozium schreberi</i><br><i>Racomitrium lanuginosum</i>   | 20.07608333<br>49.19175000 | 1601              |
| 151      | 153        | <i>Pleurozium schreberi</i><br><i>Racomitrium lanuginosum</i><br><i>Bucklandiella microcarpa</i>  | 20.07827778<br>49.19044444 | 1599              |
| 152      | 154        | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i>  | 20.07413889<br>49.19752778 | 1398              |
| 153      | 155        | <i>Dicranum scoparium</i>   | 20.05518611<br>49.19638333 | 1735              |
| 154      | 156        | <i>Pleurozium schreberi</i>   | 20.05413889<br>49.19691667 | 1791              |
| 155      | 158        | <i>Pleurozium schreberi</i><br><i>Bucklandiella microcarpa</i>  | 20.04363889<br>49.20855556 | 1673              |
| 156      | 159        | <i>Hylocomium splendens</i><br><i>Sphagnum quinquefarium</i><br><i>Polytrichastrum formosum</i><br><i>Rhytidiadelphus triquetrus</i>  | 20.04202778<br>49.20722222 | 1690              |
| 157      | 161        | <i>Hylocomium splendens</i>   | 20.03336111<br>49.20530556 | 1688              |
| 158      | 162        | <i>Hylocomium splendens</i>   | 20.02688889                | 1738              |

| <b>Nr próby</b> | <b>Nr zdjęcia</b> | <b>Gatunki</b>   | <b>Współrzędne</b>         | <b>Wysokość m n.p.m.</b> |
|-----------------|-------------------|--|----------------------------|--------------------------|
|                 |                   | <i>Pleurozium schreberi</i><br><i>Bucklandiella microcarpa</i>                                 | 49.20588889                |                          |
| 159             | 163               | <i>Dicranum scoparium</i><br><i>Pleurozium schreberi</i>                                       | 20.02486111<br>49.20616667 | 1745                     |
| 160             | 164               | <i>Sphagnum girgensohnii</i>   | 20.06838890<br>49.20288889 | 1444                     |
| 161             | 165               | <i>Hylocomium splendens</i><br><i>Polytrichastrum formosum</i><br><i>Sphagnum girgensohnii</i> | 20.07547222<br>49.20150000 | 1434                     |
| 162             | 166               | <i>Dicranum scoparium</i><br><i>Hylocomium splendens</i><br><i>Hypnum cupressiforme</i>        | 19.93957000<br>49.26514000 | 1362                     |