

| Quadrat | 1                | 2 | 3 | 4 | 5 | 6 | 7 |
|---------|------------------|---|---|---|---|---|---|
| SITE    | Number of Plants |   |   |   |   |   |   |
| TOP     | 8                | 6 | 6 | 7 | 8 | 7 | 8 |
| BOTTOM  | 3                | 4 | 3 | 4 | 6 | 4 | 6 |

**Abiotic factors at the top and bottom of the hill (one reading per quadrat)**

| SITE   | Light (lux) means of five readings                 |      |      |      |      |      |      |
|--------|--|------|------|------|------|------|------|
| TOP    | 265  | 276  | 248  | 1515 | 284  | 1801 | 253  |
| BOTTOM | 1428   | 1743 | 275  | 1305 | 3905 | 4223 | 837  |
| SITE   | Relative humidity % means of five readings         |      |      |      |      |      |      |
| TOP    | 78   | 71   | 81   | 91   | 86   | 56   | 85   |
| BOTTOM | 88   | 71   | 79   | 79   | 79   | 85   | 83   |
| SITE   | Air temp means of five readings °C                 |      |      |      |      |      |      |
| TOP    | 21   | 21   | 21   | 20   | 19   | 21   | 21   |
| BOTTOM | 19   | 21   | 20   | 20   | 22   | 19   | 19   |
| SITE   | Wind speed means of five readings ms <sup>-1</sup> |      |      |      |      |      |      |
| TOP    | 0.2  | 0.1  | 0.0  | 0.3  | 0.2  | 0.1  | 0.0  |
| BOTTOM | 0.1  | 0.0  | 0.0  | 0.3  | 0.0  | 0.0  | 0.0  |
| SITE   | pH of soil   |      |      |      |      |      |      |
| TOP    | 6.5  | 7.0  | 7.5  | 7.5  | 6.5  | 7.5  | 6.4  |
| BOTTOM | 7.0  | 6.5  | 7.0  | 7.0  | 6.3  | 7.5  | 6.5  |
| SITE   | Percentage water content                           |      |      |      |      |      |      |
| TOP    | 27.6   | 31.7 | 26.3 | 27.4 | 26.6 | 23.8 | 25.7 |
| BOTTOM | 23.2   | 24.5 | 23.1 | 22.5 | 26.7 | 21.3 | 22.4 |

| 8 | 9 | 10 |
|---|---|----|
| 8 | 6 | 8  |
| 3 | 4 | 6  |

|     |      |     |
|-----|------|-----|
| 284 | 787  | 126 |
| 837 | 1258 | 104 |

|    |    |    |
|----|----|----|
| 86 | 68 | 83 |
| 88 | 70 | 84 |

|    |    |    |
|----|----|----|
| 19 | 22 | 18 |
| 19 | 20 | 18 |

|     |     |     |
|-----|-----|-----|
| 0.2 | 0.0 | 0.3 |
| 0.0 | 0.0 | 0.2 |

|     |     |     |
|-----|-----|-----|
| 7.6 | 6.8 | 7.0 |
| 7.5 | 6.5 | 6.8 |

|      |      |      |
|------|------|------|
| 24.8 | 27.1 | 23.7 |
| 21.6 | 22.2 | 21.1 |