

Appendix 1a. Full summary table for Black spruce communities of interior Alaska (excluding treeline sites)

| | <i>Picea mariana/Cetraria islandica</i> community | | | | | | | | | | | | |
|-----------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Releve number | 0043 | 0136 | 0223 | 0144 | 0102 | 0103 | 0024 | 0137 | 0227 | 0138 | 0025 | 0213 | 0214 |
| Releve Size(m2) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Altitude(m a.s.l.) | 497 | 260 | 404 | 382 | 426 | 400 | 431 | 485 | 402 | | 317 | 610 | 590 |
| Cover Tree Layer (%) | 65 | 30 | 75 | 40 | 15 | 30 | 30 | 50 | 25 | | 30 | 60 | 75 |
| Cover Shrub Layer (%) | 15 | 95 | 15 | 10 | 5 | 80 | 10 | 30 | 15 | | 5 | 75 | 55 |
| Cover Seedling Layer (%) | 5 | 40 | 25 | 2 | 20 | 0.5 | 5 | 30 | 1 | | 20 | 25 | 5 |
| Cover Herbaceous Layer (%) | 1 | 30 | 5 | 25 | 20 | 1 | 5 | 55 | 60 | | 1 | 5 | 1 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 51 | 38 | 40 | 36 | 36 | 38 | 44 | 37 | | 35 | 32 | 37 |
| Number of Vascular Taxa | 15 | 27 | 15 | 13 | 14 | 16 | 17 | 21 | 15 | | 14 | 15 | 17 |
| Number of Bryophyte Taxa | 9 | 10 | 8 | 12 | 7 | 7 | 11 | 10 | 10 | | 10 | 4 | 7 |
| Number of Lichen Taxa | 12 | 14 | 15 | 15 | 15 | 13 | 10 | 13 | 12 | | 11 | 13 | 13 |

Differential taxa for *Picea mariana/Cetraria islandica* community type

| | | | | | | | | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <i>Cetraria islandica</i> | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| <i>Polytrichum commune</i> | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| <i>Lycopodium annotium</i> | 0.1 | 0.5 | 0.5 | | 0.1 | 0.5 | 0.5 | 0.1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 |
| <i>Spiraea beauverdiana</i> | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 0.5 | 0.1 | 1.5 | | 0.5 | | 0.1 | 0.5 |
| <i>Cladonia sulphurina</i> | 0.5 | 0.5 | 1 | 0.5 | 0.1 | 0.1 | | | 0.5 | 0.1 | 0.1 | | 0.5 |
| <i>Oxycoccus microcarpus</i> | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| <i>Cladonia deformis</i> | 0.1 | 0.5 | 1 | 0.5 | | | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | |
| frequency of acidic species | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |

Differential taxa for *Picea mariana/Rosa acicularis/Equisetum sps.* community type

| | | | | | | | | | | | | | |
|---------------------------------|-----|-----|---|---|---|---|---|---|---|-----|-----|---|-----|
| <i>Rosa acicularis</i> | 0.1 | 0.5 | 1 | | | | | | | | | | 0.5 |
| <i>Equisetum scirpoides</i> | | | | | | | | | | | | | 0.5 |
| <i>Arctostaphylos rubra</i> | | | | | | | | | | | | | |
| <i>Mertensia paniculata</i> | | | | | | | | | | | | | |
| <i>Equisetum pratense</i> | | | | | | | | | | | | | 0.5 |
| <i>Pyrola secunda</i> | | | | | | | | | | | | | |
| <i>Tomenthypnum nitens</i> | | 0.5 | | | | | | | | | | | 0.5 |
| <i>Picea glauca</i> | | | | | | | | | | | | | |
| <i>Saussurea angustifolia</i> | | | | | | | | | | | | | |
| <i>Equisetum arvense</i> | | | | | | | | | | | | | |
| <i>Sphagnum warnstorffii</i> | | | | | | | | | | 0.5 | 0.5 | | |
| Frequency of non-acidic species | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |

Non-differential species occurring predominantly in *Picea mariana/Cetraria islandica* community type

| | | | | | | | | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <i>Nephroma arcticum</i> | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | 0.5 | | 1 | | 0.5 | | 2 | |
| <i>Ledum decumbens</i> | 0.5 | 2 | | 1.5 | | | | 2 | 1.5 | 0.5 | 1.5 | | |
| <i>Equisetum silvaticum</i> | | 0.5 | 1 | 0.5 | 2.5 | 0.5 | 1 | 1.5 | | 2.5 | | | |
| <i>FlavoFlavocetraria cucullata</i> | 0.5 | 0.1 | | | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 |
| <i>Cladina stellaris</i> | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | | 2 | 0.5 | 0.5 | 0.5 | |

Picea mariana/Cetraria islandica community

| | | | | | | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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| Releve Size(m2) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Altitude(m a.s.l.) | 497 | 260 | 404 | 382 | 426 | 400 | 431 | 485 | 402 | | 317 | 610 | 590 |
| Cover Tree Layer (%) | 65 | 30 | 75 | 40 | 15 | 30 | 30 | 50 | 25 | | 30 | 60 | 75 |
| Cover Shrub Layer (%) | 15 | 95 | 15 | 10 | 5 | 80 | 10 | 30 | 15 | | 5 | 75 | 55 |
| Cover Seedling Layer (%) | 5 | 40 | 25 | 2 | 20 | 0.5 | 5 | 30 | 1 | | 20 | 25 | 5 |
| Cover Herbaceous Layer (%) | 1 | 30 | 5 | 25 | 20 | 1 | 5 | 55 | 60 | | 1 | 5 | 1 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 51 | 38 | 40 | 36 | 36 | 38 | 44 | 37 | | 35 | 32 | 37 |
| Number of Vascular Taxa | 15 | 27 | 15 | 13 | 14 | 16 | 17 | 21 | 15 | | 14 | 15 | 17 |
| Number of Bryophyte Taxa | 9 | 10 | 8 | 12 | 7 | 7 | 11 | 10 | 10 | | 10 | 4 | 7 |
| Number of Lichen Taxa | 12 | 14 | 15 | 15 | 15 | 13 | 10 | 13 | 12 | | 11 | 13 | 13 |

Non-differential species restricted to *Picea mariana/Cetraria islandica* community type

| | | | | | | | | | | | | | |
|--------------------------------|--|-----|--|-----|-----|--|--|-----|---|--|--|--|-----|
| <i>Lycopodium clavatum</i> | | | | | | | | | | | | | 0.5 |
| <i>Pinguicula villosa</i> | | 0.1 | | | | | | 0.1 | | | | | |
| <i>Stereocaulon alpinum</i> | | | | | | | | | | | | | |
| <i>Cladonia diftate</i> | | | | | | | | | | | | | |
| <i>dicrsp.#2</i> | | | | | | | | | | | | | |
| <i>Sphagnum balticum</i> | | | | | | | | | 2 | | | | |
| <i>Splachnum ampullaceum</i> | | | | | | | | | | | | | |
| <i>Stereocaulon paschale</i> | | | | | | | | | | | | | |
| <i>unkforb #1</i> | | | | | | | | | | | | | |
| <i>Sphagnum aongstroemii</i> | | | | 0.5 | | | | | 1 | | | | |
| <i>Cladonia carneola</i> | | | | 0.5 | 0.5 | | | | | | | | |
| <i>cladonia sp.</i> | | | | | | | | | | | | | |
| <i>cupcladonia #1</i> | | | | | | | | | | | | | |
| <i>Masonhalea richardsonii</i> | | | | | | | | | | | | | |
| <i>Luzula parviflora</i> | | | | | | | | | | | | | |
| <i>Polytrichum sp.</i> | | | | | | | | | | | | | |

Non-differential species restricted to *Picea mariana/Rosa acicularis/Equisetum sps.* community type

| |
|-------------------------------|
| <i>Larix laricina</i> |
| <i>Monotropa uniflora</i> |
| <i>Pyrola virens</i> |
| <i>Shepherdia canadensis</i> |
| <i>Salix arbusculoides</i> |
| <i>Peltigera rufescens</i> |
| <i>Sphagnum squarrosum</i> |
| <i>Pyrola minor</i> |
| <i>Cladonia fimbriata</i> |
| <i>Moehringia lateriflora</i> |
| <i>Tetraplodon angustatus</i> |
| <i>Valeriana capitata</i> |
| <i>Viburnum edule</i> |

***Picea mariana/Cetraria islandica* community**

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| Cover Seedling Layer (%) | 5 | 40 | 25 | 2 | 20 | 0.5 | 5 | 30 |
| Cover Herbaceous Layer (%) | 1 | 30 | 5 | 25 | 20 | 1 | 5 | 55 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 51 | 38 | 40 | 36 | 36 | 38 | 44 |
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*Rhytidiadelphus triquetrus**Carex aquatilis**Carex disperma**Ceratodon purpureus**Cladonia pyxidata**Lobaria linita**Carex coccina**Dicranum bonjeanii**Dicranum groenlandicum**Hypnum holmenii**Iris setosa**Peltigera sp.**Petasites sagittatus**Platanthera hyperborea**Solidago multiradiata ssp scopulorum**Sphagnum #1**Splachnum cf vasculosum**unkshrub#2***Constant taxa**

| | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| <i>Picea mariana</i> | 4 | 3 | 4.5 | 3 | 2.5 | 3 | 3.5 | 3 |
| <i>Hylocomium splendens</i> | 2.5 | 0.5 | 3 | 0.5 | 2.5 | 2 | 4 | 1 |
| <i>Vaccinium vitis-idaea</i> | 0.5 | 1 | 0.5 | 1 | 0.5 | 2 | 0.5 | 0.5 |
| <i>Cladina arbuscula</i> | 1 | 1 | 2.5 | 1 | 0.5 | 0.5 | 1 | 1 |
| <i>Pleurozium schreberi</i> | 3 | 2.5 | 3 | 1.5 | 2.5 | 4 | 2 | 3 |
| <i>Calamagrostis canadensis</i> | 0.5 | 2.5 | 1 | | 0.5 | 0.5 | 0.5 | |
| <i>Ledum groenlandicum</i> | 2.5 | 2.5 | 2 | | 2.5 | 3 | 0.5 | 1.5 |
| <i>Vaccinium uliginosum</i> | 0.5 | 2.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 1.5 |
| <i>Cladonia gracilis</i> | 0.5 | 1 | | 0.5 | 1 | 0.5 | 0.5 | 0.5 |
| <i>Empetrum nigrum</i> | | 0.5 | | 0.5 | 1 | 0.5 | 0.5 | 0.5 |

Non-differential species occurring throughout *Picea mariana* communities

| | | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|---|-----|-----|
| <i>Rubus chamaemorus</i> | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 |
|--------------------------|-----|-----|-----|-----|-----|---|-----|-----|

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|------|------|------|------|------|
| 0227 | 0138 | 0025 | 0213 | 0214 |
| 100 | 100 | 100 | 100 | 100 |
| 402 | | 317 | 610 | 590 |
| 25 | | 30 | 60 | 75 |
| 15 | | 5 | 75 | 55 |
| 1 | | 20 | 25 | 5 |
| 60 | | 1 | 5 | 1 |
| 100 | | 100 | 100 | 100 |
| 37 | | 35 | 32 | 37 |
| 15 | | 14 | 15 | 17 |
| 10 | | 10 | 4 | 7 |
| 12 | | 11 | 13 | 13 |

| | | | | |
|-----|-----|-----|-----|-----|
| 3.5 | 3 | 3.5 | 4.5 | 4.5 |
| 1.5 | 3 | 0.5 | 2.5 | 4 |
| 0.5 | 1.5 | 0.5 | 2 | 0.5 |
| 2 | 1.5 | 1 | 2 | 1.5 |
| 0.5 | 3 | 1.5 | 2.5 | 2 |
| | 0.5 | 0.5 | 0.5 | 0.5 |
| | 2.5 | 0.5 | 4 | 0.5 |
| 1 | 0.5 | 0.5 | 0.5 | 2 |
| 0.1 | | 0.5 | | 0.5 |
| 0.5 | 0.5 | | 2 | 1.5 |

0.5 0.5 0.5

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|------|------|------|------|------|
| 0227 | 0138 | 0025 | 0213 | 0214 |
| 100 | 100 | 100 | 100 | 100 |
| 402 | | 317 | 610 | 590 |
| 25 | | 30 | 60 | 75 |
| 15 | | 5 | 75 | 55 |
| 1 | | 20 | 25 | 5 |
| 60 | | 1 | 5 | 1 |
| 100 | | 100 | 100 | 100 |
| 37 | | 35 | 32 | 37 |
| 15 | | 14 | 15 | 17 |
| 10 | | 10 | 4 | 7 |
| 12 | | 11 | 13 | 13 |

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|-----|-----|-----|-----|--|
| 0.1 | 0.5 | 0.5 | 0.5 | |
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| 0.5 | | | 0.5 | 0.1 |
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| 0.5 | 0.1 |
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| 2.5 | 2.5 |
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| 3 | 0.5 |
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| 0.1 |
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| 1.5 | 0.5 |
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| 0.5 | 0.1 |
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| 0.1 | 0.1 |
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| 0.5 | | | 0.1 |
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| 0.1 | 0.1 | 1 |
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| 0.5 | 0.1 |
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| 0.5 |
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Picea mariana/Cetraria islandica community

| | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|
| Releve number | 0043 | 0136 | 0223 | 0144 | 0102 | 0103 | 0024 | 0137 |
| Releve Size(m2) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
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| Cover Tree Layer (%) | 65 | 30 | 75 | 40 | 15 | 30 | 30 | 50 |
| Cover Shrub Layer (%) | 15 | 95 | 15 | 10 | 5 | 80 | 10 | 30 |
| Cover Seedling Layer (%) | 5 | 40 | 25 | 2 | 20 | 0.5 | 5 | 30 |
| Cover Herbaceous Layer (%) | 1 | 30 | 5 | 25 | 20 | 1 | 5 | 55 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 51 | 38 | 40 | 36 | 36 | 38 | 44 |
| Number of Vascular Taxa | 15 | 27 | 15 | 13 | 14 | 16 | 17 | 21 |
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Peltigera aphthosa/leucophlebia

0.5

Polytrichum juniperinum

0.1

Salix bebbiana

0.5

Cladonia coccifera

0.5

*Cladonia gracilis ssp vulnerata**Salix scouleriana**Ranunculus lapponicus**Nephroma expallidum**unkliverwart**Petasites hyperboreus*

0.5

*Dicranum majus**Salix fuscescens**Dicranum elongatum**Linnaea borealis**Salix brachycarpa**Cladonia subfurcata**Dicranum spadiceum**Rhytidium rugosum**Sanionia uncinata**Cladonia phyllophora**Alnus tenuifolia*

0.5

*Sphagnum lenense**Salix #1*

0.5

*Dicranum acutifolium**Ptilidium ciliare*

0.5

*unkgraminoid**Rubus arcticus**unkmoss #1**Rumex arcticus**unkshrub#1**Festuca sp.**Hedysarum alpinum**Pohlia nutans*

| | | | | |
|------|------|------|------|------|
| 0227 | 0138 | 0025 | 0213 | 0214 |
| 100 | 100 | 100 | 100 | 100 |
| 402 | | 317 | 610 | 590 |
| 25 | | 30 | 60 | 75 |
| 15 | | 5 | 75 | 55 |
| 1 | | 20 | 25 | 5 |
| 60 | | 1 | 5 | 1 |
| 100 | | 100 | 100 | 100 |
| 37 | | 35 | 32 | 37 |
| 15 | | 14 | 15 | 17 |
| 10 | | 10 | 4 | 7 |
| 12 | | 11 | 13 | 13 |

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***Picea mariana/Cetraria islandica* community**

| | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|
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| | | | | | | | | |
|--|-----|--|--|-----|--|--|--|-----|
| <i>Poa sp.</i> | 0.1 | | | | | | | |
| <i>unkcladonia</i> | | | | | | | | |
| <i>Ribes hudsonianum</i> | | | | | | | | |
| <i>Stellaria crassifolia</i> | | | | | | | | |
| <i>Goodyera repens</i> | | | | | | | | |
| <i>Sphagnum fimbriatum</i> | | | | | | | | |
| <i>Cladonia cyanipes</i> | | | | | | | | |
| <i>Hypnum plicatulum</i> | | | | | | | | |
| <i>Sphagnum teres</i> | | | | | | | | |
| <i>Splachnum sphaericum</i> | | | | | | | | |
| <i>Cladonia gracilis ssp turbinata</i> | | | | 0.5 | | | | |
| <i>Lupinus arcticus</i> | | | | | | | | |
| <i>Peltigera membranacea</i> | | | | | | | | |
| <i>Pohlia cruda</i> | | | | | | | | |
| <i>Populus balsamifera</i> | | | | | | | | |
| <i>Cladonia ecmocyna</i> | | | | | | | | |
| <i>Dicranum angustum</i> | | | | | | | | |
| <i>Salix lasiandra</i> | | | | 0.5 | | | | |
| <i>Salix richardsonii</i> | | | | | | | | 0.5 |
| <i>Sphagnum obtusum</i> | | | | | | | | |

Single Occurrence Species

| | |
|-------------------------------|--|
| <i>Rubus idaeus</i> | <i>Calliergon stramineum</i> |
| <i>Cypripedium passerinum</i> | <i>Calypso bulbosa</i> |
| <i>Parnassia palustris</i> | <i>Campanula rotundifolia</i> |
| <i>Plantanthera obtusata</i> | <i>Carex media</i> |
| <i>Dactylina arctica</i> | <i>Carex tenniflora</i> |
| <i>Cladonia squamosa</i> | <i>Carex urgens</i> |
| <i>Hierochloe alpina</i> | <i>Cladonia cervicornus</i> |
| <i>Luzula multiflora</i> | <i>Cladonia gracilis ssp arbuscula</i> |
| <i>Polytrichum piliferum</i> | <i>Cladonia pocillum</i> |
| <i>Achillea lanulosa</i> | <i>Hamatocaulis vernicosus</i> |
| <i>Tolfieldia pusilla</i> | <i>Hypnum pratense</i> |

| | | | | |
|------|------|------|------|------|
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| 60 | | 1 | 5 | 1 |
| 100 | | 100 | 100 | 100 |
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| | |
|--|-------------------------------|
| <i>Carex garberi</i> | <i>Leptobryum pyriforme</i> |
| <i>Cladonia cariosa</i> | <i>Loeskygnum badium</i> |
| <i>Cladonia crispata cf var cetrariiiform.</i> | <i>Lophozia ventricosa</i> |
| <i>Cladonia macrophylla</i> | <i>Luzula arcuala</i> |
| <i>Cladonia subulata</i> | <i>Luzula rufescens</i> |
| <i>Dicranum laevidens</i> | <i>Pedicularis sudetica</i> |
| <i>Hypnum sp.</i> | <i>Plagiomnium ellipticum</i> |
| <i>Odontoschisma elongatum</i> | <i>Poa pratense</i> |
| <i>Peltigera retifoveata</i> | <i>Polemonium acutiflorum</i> |
| <i>Polytrichum hyberboreum</i> | <i>Potentilla palustris</i> |
| <i>Ranunculus gmelini</i> | <i>Pyrola sp</i> |
| <i>Ranunculus sp.</i> | <i>Ranunculus nivalis</i> |
| <i>Rumex occidentalis</i> | <i>Salix barclayi</i> |
| <i>Salix monticola</i> | <i>Salix candida</i> |
| <i>Arctostaphylos uva-ursi</i> | <i>Sphagnum contortum</i> |
| <i>Blepharostoma trichophyllum</i> | <i>Stellaria calycantha</i> |
| <i>Brachythecium sp.</i> | <i>unkliverwart#2</i> |
| <i>Bryum pseudotriquetrum</i> | <i>unkmoss#2</i> |

| | | | | |
|------|------|------|------|------|
| 0227 | 0138 | 0025 | 0213 | 0214 |
| 100 | 100 | 100 | 100 | 100 |
| 402 | | 317 | 610 | 590 |
| 25 | | 30 | 60 | 75 |
| 15 | | 5 | 75 | 55 |
| 1 | | 20 | 25 | 5 |
| 60 | | 1 | 5 | 1 |
| 100 | | 100 | 100 | 100 |
| 37 | | 35 | 32 | 37 |
| 15 | | 14 | 15 | 17 |
| 10 | | 10 | 4 | 7 |
| 12 | | 11 | 13 | 13 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 | 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 0231 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 | 543 | 584 | 502 | 277 | 403 | 349 | 360 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 | 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 | 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 | 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 | 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 | 35 | 32 | 31 | 34 | 42 | 43 | 35 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 | 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 | 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 | 13 | 12 | 13 | 9 | 11 | 13 | 20 |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 |
| 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 3 | 0.5 | 0.5 | 0.1 | 0.5 | | 0.5 | 0.1 | 0.5 | 0.5 | | 2 |
| 0.5 | 0.5 | 0.1 | 1 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | | | | |
| | | 0.5 | 0.1 | 2 | 0.1 | | | 0.5 | 0.5 | 1 | | | | | 0.5 | 0.5 | | |
| | 0.1 | 0.5 | | | | | 0.5 | | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | | | | 0.5 | 0 |
| 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | | | 0.5 | | | | | | 0.5 | 0.5 | 0.5 | |
| 0.5 | | | | | | 0.5 | 0.5 | 0.5 | | 0.5 | | 0.5 | | 0.5 | | | 0.5 | 0 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 0.5 | | | | | | 0.5 | | | 0.1 | | | | 0.5 |
| | | | 0.1 | | | | | | | 0.5 | | | | | | | | |
| | | | | | 2.5 | | | | 0.5 | | | | | | | | | |
| | | | | | | | 1 | 0.5 | | 1.5 | | | | | | | | |
| | | | | 2 | | 1.5 | | | | | | | | | | | | |
| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | | | | | | |
| | | 1 | 0.5 | | | | 1 | 1 | | 0.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | 0 |
| 0.5 | 0.5 | 3 | 0.5 | 2 | | 0.5 | 1 | 1 | 0.5 | 0.5 | | 0.5 | | | 1 | 0.5 | 0.5 | 1 |
| 0.5 | | 0.5 | 0.5 | 0.5 | | 0.5 | | | | 0.5 | 0.5 | 0.5 | | | | 1 | 0.5 | |
| | 0.5 | 1 | 0.5 | | 0.1 | 0.5 | 0.1 | 0.5 | | 0.5 | 0.5 | | | 0.1 | 1 | 0.5 | 0.5 | 0 |
| 0.5 | 0.5 | 0.5 | | 0.5 | | | 0.5 | 0.5 | | | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 1.5 | |

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|------|------|------|------|------|------|------|------|------|------|------|------|
| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 |
| 0.5 | 0.5 | | 0.5 | | | 0.5 | 0.5 | | 0.5 | | 0.5 |
| 0.5 | | | 3 | | | 0.1 | | | 0.1 | | 0.5 |
| 1 | 1.5 | 1 | 2.5 | 1.5 | 2 | 3 | 0.5 | 0.1 | 0.5 | 1.5 | |
| 1.5 | 1.5 | | 1.5 | 1.5 | 0.5 | 0.5 | | | 0.1 | | 1.5 |
| | | | | | | | | | | | 0.5 |
| | | 3 | | 0.5 | | | 1 | 1.5 | | | |
| 0.5 | 0.5 | | 0.5 | | 0.1 | | | | 0.5 | | |
| 0.5 | | | | | | | 0.5 | | | | 0.5 |
| 0.5 | 1 | | | | 0.5 | | 0.5 | | | | |
| | | | 0.5 | | | | | | | | |
| | | | 0.1 | | | | | | | | |
| 0.5 | 0.5 | | 0.5 | | 0.1 | 0.5 | | | 0.5 | | |
| | 0.5 | | 1 | | | | | | 3 | | |
| 1.5 | | | | | | 1.5 | | | | | |
| 0.5 | 0.5 | | 0.5 | | | | | | | | |
| | | | 1 | | 0.5 | | | | 1 | | |
| 0.5 | 0.1 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | 2 | | 0.5 | 0.5 | | 0.5 | 1.5 | | 0.5 | |
| | | 0.5 | 0.1 | 0.5 | 0.5 | | | | | 0.1 | |
| | 0.5 | | 0.5 | | | 0.5 | | | | | |
| | | | | | | | 0.1 | | | 0.1 | |

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| 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 13 | 12 | 13 | 9 | 11 | 13 | 21 |

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| 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0 |
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| 0.1 | 0.1 | 0.1 | | 0.5 | | |
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| | | | | 2.5 | | |
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| 0.5 | | | 0.1 | 0.5 | 1.5 | |
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| | | | 0.5 | 0.5 | | 0 |
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| | | 0.5 | 1 | 0.5 | 0.5 | |
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| | | | | 0.5 | 0.5 | 0 |
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| | | | 0.5 | | 0.1 | |
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| | | | 1.5 | 1 | 1 | |
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| | | | 1 | 0.5 | 0.5 | |
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| | | | 0.5 | 0.5 | 0.5 | |
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| 0.5 | 0.1 | | | | | |
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| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 | 0041 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 | 543 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 | 50 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 | 5 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 | 5 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 | 1 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 | 35 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 | 16 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 | 6 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 | 13 |

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| 0012 | 0013 | 0112 | 0037 | 0038 | 02: |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 584 | 502 | 277 | 403 | 349 | 36 |
| 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 1 | 15 | 5 | 5 | 5 |
| 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 32 | 31 | 34 | 42 | 43 | 30 |
| 15 | 13 | 18 | 20 | 20 | 9 |
| 5 | 5 | 7 | 11 | 10 | 5 |
| 12 | 13 | 9 | 11 | 13 | 20 |

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| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4 | 3.5 | 2.5 | 1.5 | 3 | 4.5 | 3 | 3 | 2.5 |
| 1 | 1 | 0.5 | 2.5 | 1.5 | 3 | 0.5 | 3 | 3 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2.5 | 0.5 | 1 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 3 | 2.5 | 2 | 1 | 3 | 0.5 | 4 | 2 |
| 0.5 | 0.5 | | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 |
| 0.5 | 0.5 | | 1.5 | | 0.5 | 1 | 1 | |
| 1 | 0.5 | 1 | | 2 | 0.5 | 0.5 | 2 | 3 |
| 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | 0.1 | 0.5 | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | 1.5 | 0.5 |
| 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | 0.5 | 1 | | 0.5 |

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| 0030 | 0104 | 0221 | 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 448 | 872 | 444 | 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 10 | 60 | 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 90 | 15 | 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 1 | 1 | 10 | 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 20 | 5 | 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 33 | 44 | 36 | 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 17 | 22 | 13 | 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 7 | 9 | 5 | 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 9 | 13 | 18 | 13 | 12 | 13 | 9 | 11 | 13 | 27 |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 3 | 1.5 | 4.5 | 3.5 | 3 | 4 | 2.5 | 3 | 3 | 3 |
| 0.5 | 3 | 2.5 | 1.5 | 4 | 4 | | 3 | 1 | 0 |
| 0.5 | 1.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 |
| 0.5 | 2 | 2 | 2.5 | 1 | 1.5 | 0.5 | 0.5 | 1 | |
| 3 | 2 | 2.5 | 3 | 2.5 | 3 | 0.5 | 1 | 2 | 0 |
| 0.5 | 1.5 | 1 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0 |
| 1.5 | | 2 | 3 | 0.5 | 0.5 | | 1.5 | 0.5 | |
| 0.5 | 2.5 | 0.5 | 0.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 |
| 0.5 | 0.5 | 2 | | 0.5 | 0.5 | 0.5 | 0.5 | | 0 |
| | 3 | | 0.5 | 0.5 | 0.5 | | | 0.5 | 0 |

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| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 |
| 0.5 | 0.5 | 0.5 | | | 0.1 | | 0.5 | 0.5 | | | 1 |
| | | | | 0.1 | | | 0.5 | | 0.5 | 1.5 | 1.5 |
| | | 0.5 | | | 0.5 | | 0.5 | 0.5 | | | 0.5 |
| 0.5 | | | | | | 0.5 | 0.5 | 0.5 | | | 1 |
| | | 0.1 | | | 0.5 | | | 0.5 | 0.1 | 0.5 | 0.5 |
| 0.5 | 2.5 | | | 0.1 | | 0.5 | | | 1 | | |
| | | 1 | | | | | 1 | 2 | 0.5 | 2.5 | |
| | | | | | 0.1 | | | | | 0.5 | 0.5 |
| | | | 0.5 | | | 0.5 | | 0.1 | | | |
| | | | | | 0.5 | | | | | | 0.5 |
| | | | | 0.5 | | | | | | | 0.5 |
| | | 4 | | 3 | | 3 | 3 | 2 | | 4 | |
| | | | | | | | | 2.5 | | 0.5 | |
| | | 0.5 | | 0.5 | | 0.5 | | 0.5 | | 2.5 | |
| | | | | | 0.5 | | | 0.5 | | | |
| | | | | | | | 0.5 | 0.5 | | | |
| | | | | | | | 1.5 | | | | |
| | | 0.5 | | | | 0.5 | 0.5 | | 0.5 | | 0.5 |
| | | | | | | 0.1 | | | | | |
| | | | | | | | 0.5 | | | | 0.5 |
| | | | | | | | 0.5 | | | | |
| | | | | | | 0.1 | | | | | |
| | | | | | | | | | | 1.5 | 0.5 |
| 0.5 | | | | | | | | | | | |
| | | | | | | | | 0.5 | | | 0.5 |
| | | | 0.5 | 0.5 | | | | | 0.5 | 0.5 | |
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|------|------|------|------|------|------|-----|
| 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 13 | 12 | 13 | 9 | 11 | 13 | 21 |

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| 0.5 | 0.5 | | | | | |
| 0.5 | 0.5 | | | | | 0 |
| 0.5 | | 0.5 | | 0.5 | | 0 |
| 1 | | | | | | 2 |
| 0.5 | 0.5 | 0.5 | | | | |
| | | | 5 | 0.5 | 0.5 | |
| | | | 1 | 1 | 0.5 | |
| 1 | | | | | 1 | 0 |
| | | | | 0.5 | 2 | |
| 0.5 | 0.5 | 0.5 | | 0.5 | | |
| | 0.5 | | 2 | | 0.5 | |
| | | | 0.5 | 0.5 | | |
| | 0.5 | | | 0.1 | | |
| 0.5 | 0.5 | | | | | |
| | | 0.5 | | 0.5 | | |
| | | | | 0.5 | 0.5 | 0 |
| | | | 0.5 | | | |
| 0.5 | 0.5 | | | | | |
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|------|------|------|------|------|------|------|------|------|------|------|------|
| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 |

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| 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 13 | 12 | 13 | 9 | 11 | 13 | 21 |

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|------|------|------|------|------|------|------|------|------|
| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 |

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|------|------|------|------|------|------|------|------|------|-----|
| 0030 | 0104 | 0221 | 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 448 | 872 | 444 | 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 10 | 60 | 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 90 | 15 | 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 1 | 1 | 10 | 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 20 | 5 | 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 33 | 44 | 36 | 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 17 | 22 | 13 | 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 7 | 9 | 5 | 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 9 | 13 | 18 | 13 | 12 | 13 | 9 | 11 | 13 | 21 |

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|------|------|------|------|------|------|------|------|------|------|------|------|
| 0027 | 0028 | 0229 | 0011 | 0145 | 0022 | 0026 | 0202 | 0231 | 0030 | 0104 | 0221 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 344 | 384 | 573 | 469 | 530 | 465 | 304 | 693 | 838 | 448 | 872 | 444 |
| 25 | 30 | 20 | 50 | 25 | 60 | 15 | 50 | 25 | 50 | 10 | 60 |
| 5 | 5 | 100 | 10 | 90 | 1 | 70 | 75 | 80 | 5 | 90 | 15 |
| 35 | 3 | 0.5 | 1 | 5 | 10 | 0.5 | 0.5 | 0.5 | 1 | 1 | 10 |
| 1 | 20 | 1 | 1 | 1 | 20 | 5 | 1 | 10 | 1 | 20 | 5 |
| 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 85 | 100 | 100 | 100 |
| 35 | 33 | 37 | 38 | 29 | 33 | 38 | 40 | 39 | 33 | 44 | 36 |
| 18 | 17 | 14 | 20 | 16 | 15 | 20 | 15 | 16 | 17 | 22 | 13 |
| 9 | 8 | 8 | 8 | 6 | 9 | 10 | 9 | 10 | 7 | 9 | 5 |
| 8 | 8 | 15 | 10 | 7 | 9 | 8 | 16 | 13 | 9 | 13 | 18 |

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|------|------|------|------|------|------|-----|
| 0041 | 0012 | 0013 | 0112 | 0037 | 0038 | 021 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 543 | 584 | 502 | 277 | 403 | 349 | 36 |
| 50 | 45 | 60 | 10 | 40 | 15 | 50 |
| 5 | 5 | 1 | 15 | 5 | 5 | 5 |
| 5 | 1 | 1 | 10 | 1 | 5 | 1 |
| 1 | 1 | 1 | 85 | 5 | 1 | 10 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 35 | 32 | 31 | 34 | 42 | 43 | 37 |
| 16 | 15 | 13 | 18 | 20 | 20 | 9 |
| 6 | 5 | 5 | 7 | 11 | 10 | 5 |
| 13 | 12 | 13 | 9 | 11 | 13 | 21 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-----|---|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 | 0018 | 0005 | 0217 | 0029 | 0154 | 0205 | 0035 | 0149 | 0153 | 00 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 | 309 | 477 | 1000 | 447 | 802 | 230.5 | 440 | 717 | 815 | 4 | |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 | 50 | 45 | 15 | 50 | 30 | 75 | 70 | 50 | 40 | ! | |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 | 10 | 5 | 90 | 1 | 55 | 1 | 5 | 75 | 25 | : | |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 | 5 | 10 | 0.5 | 1 | 2 | 0.5 | 1 | 15 | 5 | | |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 1 | 1 | 50 | 1 | 1 | 10 | 5 | | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 1 | |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 | 32 | 27 | 41 | 35 | 39 | 37 | 30 | 38 | 38 | : | |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 | 14 | 9 | 19 | 15 | 18 | 18 | 10 | 21 | 17 | : | |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 | 8 | 6 | 10 | 7 | 11 | 6 | 9 | 7 | 10 | | |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 | 10 | 12 | 12 | 13 | 10 | 13 | 11 | 10 | 11 | | |

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | |
| 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | |
| | | | | 0.5 | | | 0.5 | 0.1 | | | | | | | | | | |
| 0.1 | | | 0.5 | | | | | | | | | 0.5 | | | | | 0.5 | |
| 0.1 | 0.5 | | | | 0.5 | | | | | 0.1 | | | | | | | | |
| | 0.5 | 0.5 | 0.5 | | | | | | 0.5 | | 0.5 | | 0.5 | | | | | |
| | 0.1 | 0.5 | | 0.5 | 0.5 | 0.5 | | | | | | | | 0.5 | 0.1 | | | |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|
| 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | |
| | | | | 0.5 | 1 | 0.5 | | 0.5 | | | 0.5 | | | 0.5 | | 0.5 | 0.5 | |
| | | | | | 0.5 | | | | | | | | 0.5 | | | | 0.5 | |
| | 0.5 | 0.5 | | 0.5 | 0.5 | | | | | | | | | 0.5 | 2 | | | |
| | | | 0.1 | | | | | | | | | | | | | 0.5 | | |
| 1 | | | | | | | | | | 0.5 | 0.1 | | | 0.5 | | | | |
| | | | | | 0.5 | | | | | | | | 0.5 | | | | | 0.1 |
| 0.5 | | | | | | | | | | | 0.5 | | | | | | | |
| 2 | 2.5 | 0.5 | 1 | 0.5 | | | | | | 1 | 1 | 1 | 2.5 | | 3 | 0 | 1 | 1 |
| | 2 | 2 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | | | | 2 | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 1.5 | 0.1 | 0.5 | 0.5 | 0.1 | | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | | |
| 0.5 | 0.5 | | 2.5 | | | | 0.1 | | 1.5 | | 2 | | 0.5 | | | 0.5 | | |
| 0.5 | 0.5 | 0.5 | 2 | 1 | | 0.5 | | | | | | 1 | | 1 | | 0.5 | 0.1 | |
| 0.5 | 0.1 | | 0.5 | | 1.5 | 2.5 | | | 0.5 | 0.5 | 0.5 | 5 | 1 | | | 0.5 | 1.5 | |
| | 0.5 | 0.1 | 0.5 | 0.1 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | |

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|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 |
| | | | | | 1.5 | | 1 | 0.5 |
| | | | | | | 0.5 | 0.1 | 0.1 |
| 1 | 1 | | 2 | 0.5 | | | | |
| | | | | 0.5 | | | 0.5 | |
| | | | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | |
| | | 0.5 | | 0.5 | 0.5 | | | |
| | | | 0.1 | 0.5 | | | | |
| | | | | 0.5 | | 2.5 | | |
| 1.5 | | 1.5 | | | | | | |
| 2 | | | 0.5 | 2 | | | | |
| | | | 0.5 | | | | | |
| | | | 0.5 | | | | | |
| | 0.1 | 2.5 | 0.5 | | | | | 0.5 |
| | 2 | 2.5 | 0.5 | | | | | |
| | 1.5 | | 0.5 | | | | | |
| | 0.5 | | | | | | | 0.5 |
| 0.5 | 0.1 | 1 | 0.1 | 0.5 | 1 | 0.5 | | |
| 1 | | | 1.5 | 0.5 | 0.1 | 0.5 | | |
| | 2 | 0.5 | | | | | | |
| | | | | | 0.5 | | | |
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|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 |

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| 0018 | 0005 | 0217 | 0029 | 0154 | 0205 | 0035 | 0149 | 0153 | 00 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 309 | 477 | 1000 | 447 | 802 | 230.5 | 440 | 717 | 815 | 4 |
| 50 | 45 | 15 | 50 | 30 | 75 | 70 | 50 | 40 | ! |
| 10 | 5 | 90 | 1 | 55 | 1 | 5 | 75 | 25 | : |
| 5 | 10 | 0.5 | 1 | 2 | 0.5 | 1 | 15 | 5 | |
| 1 | 5 | 1 | 1 | 50 | 1 | 1 | 10 | 5 | |
| 100 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 32 | 27 | 41 | 35 | 39 | 37 | 30 | 38 | 38 | : |
| 14 | 9 | 19 | 15 | 18 | 18 | 10 | 21 | 17 | : |
| 8 | 6 | 10 | 7 | 11 | 6 | 9 | 7 | 10 | |
| 10 | 12 | 12 | 13 | 10 | 13 | 11 | 10 | 11 | |

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|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3.5 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 |
| 4 | 0.5 | 0.5 | 1 | 3 | 3 | 3 | 3 | 4 |
| 0.5 | 0.5 | | 2.5 | 0.5 | 2 | 1.5 | 2 | 0.5 |
| 0.5 | 1 | 0.5 | 1.5 | 3 | 2 | 3 | 0.5 | 1 |
| 3 | 0.5 | 0.5 | 2 | 0.5 | 2 | 0.5 | 4 | 3 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 1 |
| 1 | 2.5 | 1 | 0.1 | 2.5 | 0.5 | 1.5 | 1.5 | 0.5 |
| 1.5 | 0.5 | 0.5 | 1.5 | 1.5 | 1 | 2.5 | | |
| 0.5 | 0.1 | 0.5 | | 0.5 | 1 | | 0.5 | 0.5 |
| 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | | |

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| 0.5 | 2 | 1 | 0.5 |
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|------|------|------|------|------|-------|------|------|------|----|
| 0018 | 0005 | 0217 | 0029 | 0154 | 0205 | 0035 | 0149 | 0153 | 00 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 309 | 477 | 1000 | 447 | 802 | 230.5 | 440 | 717 | 815 | 4 |
| 50 | 45 | 15 | 50 | 30 | 75 | 70 | 50 | 40 | ! |
| 10 | 5 | 90 | 1 | 55 | 1 | 5 | 75 | 25 | : |
| 5 | 10 | 0.5 | 1 | 2 | 0.5 | 1 | 15 | 5 | |
| 1 | 5 | 1 | 1 | 50 | 1 | 1 | 10 | 5 | |
| 100 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 32 | 27 | 41 | 35 | 39 | 37 | 30 | 38 | 38 | : |
| 14 | 9 | 19 | 15 | 18 | 18 | 10 | 21 | 17 | : |
| 8 | 6 | 10 | 7 | 11 | 6 | 9 | 7 | 10 | |
| 10 | 12 | 12 | 13 | 10 | 13 | 11 | 10 | 11 | |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3.5 | 3.5 | 2.5 | 3 | 3.5 | 4 | 4 | 3 | 3 |
| 0.5 | 3 | 2 | 4 | 2 | 4 | 3 | 2 | 3 |
| 0.5 | 1 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 1.5 | 2 |
| 0.5 | | 0.5 | 0.5 | 2.5 | 0.5 | 0.5 | 1.5 | 3 |
| 0.5 | 4 | 5 | 3 | 2 | 2.5 | 3 | 4 | 1 |
| 0.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1.5 | 1.5 |
| 1.5 | 1.5 | 0.5 | 1 | 1.5 | 0.5 | 1.5 | 3 | 2 |
| 0.5 | 0.5 | 1.5 | 0.5 | 3 | | 0.5 | 2.5 | 2.5 |
| | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | |
| 0.5 | 0.5 | 0.5 | | 0.5 | | | 0.5 | 0.5 |
| | | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | |

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|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 |
| 0.5 | 0.5 | 0.5 | 0.5 | | | 0.5 | 0.5 | |
| 0.5 | | | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 |
| | 0.5 | 0.5 | | 0.5 | | 0.5 | | 0.5 |
| 0.5 | 0.5 | | | | | | | 0.5 |
| 0.5 | | | | 0.1 | 1 | | | 0.5 |
| | 0.5 | 0.1 | 2 | | | | | |
| 2.5 | | | | | | | | |
| 0.5 | 0.5 | | | 0.5 | | | | |
| 0.5 | 1 | | 3 | 0.1 | 0.5 | | | |
| 0.5 | | | | | 0.5 | | | 0.5 |
| 0.5 | | | 0.5 | 0.5 | | 0.5 | | |
| | 0.5 | 0.5 | 0.5 | | | 0.5 | | |
| 1 | | | | | | | 0.5 | 0.1 |
| 2 | 1 | 1 | 0.5 | 2 | | | | |
| | 0.5 | | | | | | | |
| | | | | 0.5 | | | | |
| | | | 1.5 | | | | | |
| | | | | | 0.1 | | | |
| 0.5 | | | | | | | | |
| | | | | | 0.5 | | | 0.5 |
| 0.5 | | | | | 0.5 | 0.5 | | 0.5 |
| | | | | | 0.5 | | | |
| | | | 0.1 | | | | | |
| | | | | | 0.5 | | 0.5 | |
| | | | | | 0.5 | | | |
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| | 0.5 | | | | | | | |
| | | | 0.5 | | | | | |
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|------|------|------|------|------|-------|------|------|------|----|
| 0018 | 0005 | 0217 | 0029 | 0154 | 0205 | 0035 | 0149 | 0153 | 00 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 309 | 477 | 1000 | 447 | 802 | 230.5 | 440 | 717 | 815 | 4 |
| 50 | 45 | 15 | 50 | 30 | 75 | 70 | 50 | 40 | ! |
| 10 | 5 | 90 | 1 | 55 | 1 | 5 | 75 | 25 | : |
| 5 | 10 | 0.5 | 1 | 2 | 0.5 | 1 | 15 | 5 | |
| 1 | 5 | 1 | 1 | 50 | 1 | 1 | 10 | 5 | |
| 100 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 32 | 27 | 41 | 35 | 39 | 37 | 30 | 38 | 38 | : |
| 14 | 9 | 19 | 15 | 18 | 18 | 10 | 21 | 17 | : |
| 8 | 6 | 10 | 7 | 11 | 6 | 9 | 7 | 10 | |
| 10 | 12 | 12 | 13 | 10 | 13 | 11 | 10 | 11 | |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | 0.5 | 0.1 | 0.5 | | 0.5 | | 0.5 | |
| | | | 0.5 | | | 0.5 | 0.5 | 0.5 | |
| | 0.5 | 0.5 | 0.1 | | | | 0.5 | 0.5 | |
| | 0.5 | | | 0.5 | | | 0.1 | 0.5 | |
| | | | 0.5 | | 0.5 | 0.5 | | | |
| | | | | 2.5 | | | 0.5 | | |
| | | 0.5 | | 1.5 | | | 1.5 | 0.5 | |
| 0.5 | 0.5 | | 0.5 | | | 0.5 | 0.5 | | |
| 1 | | 3 | 0.5 | 1.5 | | | 2 | 1.5 | |
| | 0.5 | | 0.5 | | 0.5 | 0.5 | | | |
| 0.5 | | | 0.5 | | 0.5 | 0.1 | | | |
| | | 1.5 | | 1 | | | 2.5 | | |
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| 0.5 | | | | | 0.5 | | 0.5 | 0.5 | |
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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 | 0018 | 0005 | 0217 | 0029 | 0154 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 | 309 | 477 | 1000 | 447 | 802 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 | 50 | 45 | 15 | 50 | 30 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 | 10 | 5 | 90 | 1 | 55 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 | 5 | 10 | 0.5 | 1 | 2 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 1 | 1 | 50 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 90 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 | 32 | 27 | 41 | 35 | 39 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 | 14 | 9 | 19 | 15 | 18 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 | 8 | 6 | 10 | 7 | 11 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 | 10 | 12 | 12 | 13 | 10 |

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| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 | 0018 | 0005 | 0217 | 0029 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 | 309 | 477 | 1000 | 447 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 | 50 | 45 | 15 | 50 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 | 10 | 5 | 90 | 1 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 | 5 | 10 | 0.5 | 1 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 | 1 | 5 | 1 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 90 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 | 32 | 27 | 41 | 35 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 | 14 | 9 | 19 | 15 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 | 8 | 6 | 10 | 7 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 | 10 | 12 | 12 | 13 |

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|------|-------|------|------|------|----|
| 0154 | 0205 | 0035 | 0149 | 0153 | 00 |
| 100 | 100 | 100 | 100 | 100 | 1 |
| 802 | 230.5 | 440 | 717 | 815 | 4 |
| 30 | 75 | 70 | 50 | 40 | ! |
| 55 | 1 | 5 | 75 | 25 | : |
| 2 | 0.5 | 1 | 15 | 5 | |
| 50 | 1 | 1 | 10 | 5 | |
| 100 | 100 | 100 | 100 | 100 | 1 |
| 39 | 37 | 30 | 38 | 38 | : |
| 18 | 18 | 10 | 21 | 17 | : |
| 11 | 6 | 9 | 7 | 10 | |
| 10 | 13 | 11 | 10 | 11 | |

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|------|------|------|------|------|------|------|------|------|------|
| 0230 | 0015 | 0016 | 0139 | 0106 | 0122 | 0152 | 0001 | 0014 | 0018 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 690 | 274 | 115 | 270 | 371 | 410 | 876 | 497 | 426 | 309 |
| 50 | 40 | 60 | 30 | 30 | 70 | 50 | 65 | 60 | 50 |
| 10 | 25 | 5 | 45 | 80 | 15 | 30 | 25 | 1 | 10 |
| 2 | 0.5 | 5 | 60 | 0.5 | 5 | 5 | 2 | 2 | 5 |
| 30 | 10 | 1 | 10 | 5 | 5 | 1 | 1 | 5 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47 | 41 | 31 | 44 | 41 | 45 | 32 | 23 | 28 | 32 |
| 22 | 16 | 13 | 17 | 19 | 22 | 13 | 10 | 10 | 14 |
| 11 | 12 | 8 | 13 | 10 | 7 | 4 | 5 | 7 | 8 |
| 14 | 13 | 10 | 14 | 12 | 16 | 15 | 8 | 11 | 10 |

| | | | | | | | | |
|------|------|------|------|-------|------|------|------|----|
| 0005 | 0217 | 0029 | 0154 | 0205 | 0035 | 0149 | 0153 | 00 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 477 | 1000 | 447 | 802 | 230.5 | 440 | 717 | 815 | 4 |
| 45 | 15 | 50 | 30 | 75 | 70 | 50 | 40 | ! |
| 5 | 90 | 1 | 55 | 1 | 5 | 75 | 25 | : |
| 10 | 0.5 | 1 | 2 | 0.5 | 1 | 15 | 5 | |
| 5 | 1 | 1 | 50 | 1 | 1 | 10 | 5 | |
| 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 1 |
| 27 | 41 | 35 | 39 | 37 | 30 | 38 | 38 | : |
| 9 | 19 | 15 | 18 | 18 | 10 | 21 | 17 | : |
| 6 | 10 | 7 | 11 | 6 | 9 | 7 | 10 | |
| 12 | 12 | 13 | 10 | 13 | 11 | 10 | 11 | |

Picea mariana/Rosa acicularis/Equisetum sps. community

| 0002 | 0003 | 0036 | 0009 | 0010 | 0129 | 0237 | 0236 | 0051 | 0052 | 0118 | 0008 | 0055 | 0232 | 0056 | 0156 | 0215 | 0235 | 0115 | 0215 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 366 | 421 | 438 | 547 | 531 | 157 | 164 | 180 | 176 | 176 | 448 | 186 | 155 | 124 | 163 | 717 | 907 | 178 | 507 | 100 | 100 |
| 70 | 70 | 80 | 35 | 45 | 90 | 60 | 30 | 25 | 30 | 60 | 45 | 65 | 75 | 70 | 65 | 40 | 60 | 30 | 5 | 5 |
| 0 | 1 | 1 | 5 | 5 | 20 | 35 | 70 | 5 | 25 | 70 | 5 | 50 | 35 | 10 | 5 | 10 | 25 | 65 | 1 | 1 |
| 0.5 | 10 | 1 | 1 | 5 | 5 | 5 | 1 | 15 | 10 | 30 | 2 | 0.5 | 5 | 5 | 2 | 20 | 30 | 20 | 1 | 1 |
| 1 | 1 | 5 | 1 | 1 | 35 | 10 | 1 | 5 | 1 | 5 | 10 | 5 | 1 | 1 | 5 | 1 | 1 | 10 | 2 | 2 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | 100 |
| 22 | 24 | 24 | 30 | 25 | 39 | 60 | 47 | 48 | 38 | 42 | 41 | 40 | 38 | 39 | 36 | 46 | 44 | 43 | 4 | 4 |
| 6 | 5 | 9 | 14 | 11 | 25 | 39 | 30 | 32 | 24 | 22 | 24 | 24 | 23 | 26 | 22 | 22 | 19 | 22 | 3 | 3 |
| 6 | 8 | 8 | 4 | 4 | 8 | 8 | 10 | 8 | 6 | 9 | 11 | 9 | 8 | 2 | 7 | 10 | 10 | 12 | 1 | 1 |
| 10 | 11 | 7 | 12 | 10 | 6 | 13 | 7 | 8 | 8 | 11 | 6 | 7 | 7 | 11 | 7 | 14 | 15 | 9 | 1 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|---|---|-----|---|---|-----|---|---|---|-----|-----|-----|-----|---|---|-----|--|--|
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | 0.5 | | | | | | 0.1 | 0.5 | | | | | |
| 0.5 | 0.5 | 0.5 | | | | | | | | 0.5 | | | | | | | | | | | | |
| | | | | | | | 0.1 | | | | | | | | 0.5 | | | | | 0.1 | | |
| | | | | | | | | | | 0.5 | | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0.5 | 1 | 1 | 1 | 3 | 0 | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | 0.1 | | 0.5 | 1 | 0.5 | 1.5 | 1 | 1 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | | |
| | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | |
| | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| | | | | | 0.5 | 0.1 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | 3 | 3 | 1 | 3 | 4 | 0.5 | 0.1 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | |
| | | | | 0.5 | 1 | 4 | 3 | 1 | 0.5 | 0.5 | | 1 | 0.5 | 0.5 | 0.5 | | | | | | |
| | | | | | 0.5 | 0.1 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 1 | 0.5 | | 0.5 | 0.5 | 0.5 | 1 | | |
| | | | | | 0.5 | 1 | 0.5 | | 0.5 | 0.5 | | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| | | | | | 2.5 | 0.5 | | 0.5 | 1 | 0.5 | 2.5 | 0.5 | 2.5 | | | | 2 | 0.5 | | | |
| 0 | 0 | 0 | 1 | 1 | 11 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | |

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|--|-----|--|-----|--|-----|-----|--|--|-----|-----|-----|-----|--|-----|-----|--|
| 0.5 | 1 | 0.5 | 0.5 | 0.5 | | | | | | 0.5 | | | | 0.5 | | 0.5 | | | | | |
| | | | 0.5 | 0.5 | | | | 0.5 | | | 1 | | | | | | | | | 2.5 | |
| | | 0.5 | | | | | | | | | 0.5 | | | | | 0.5 | | | | | |
| | 0.1 | | 0.5 | 0.5 | | | | | | 0.5 | 0.5 | | | | 0.5 | | 0.5 | | 0.1 | | |
| 0.5 | 0.5 | | 0.1 | 0.5 | | 0.5 | | | | 0.5 | 0.5 | | | 0.5 | | | 0.5 | | 0.5 | 1 | |

Picea mariana/Rosa acicularis/Equisetum sps. community

| 0002 | 0003 | 0036 | 0009 | 0010 | 0129 | 0237 | 0236 | 0051 | 0052 | 0118 | 0008 | 0055 | 0232 | 0056 | 0156 | 0215 | 0235 | 0115 | 02 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 366 | 421 | 438 | 547 | 531 | 157 | 164 | 180 | 176 | 176 | 448 | 186 | 155 | 124 | 163 | 717 | 907 | 178 | 507 | 10 | |
| 70 | 70 | 80 | 35 | 45 | 90 | 60 | 30 | 25 | 30 | 60 | 45 | 65 | 75 | 70 | 65 | 40 | 60 | 30 | 5 | |
| 0 | 1 | 1 | 5 | 5 | 20 | 35 | 70 | 5 | 25 | 70 | 5 | 50 | 35 | 10 | 5 | 10 | 25 | 65 | 1 | |
| 0.5 | 10 | 1 | 1 | 5 | 5 | 5 | 1 | 15 | 10 | 30 | 2 | 0.5 | 5 | 5 | 2 | 20 | 30 | 20 | 1 | |
| 1 | 1 | 5 | 1 | 1 | 35 | 10 | 1 | 5 | 1 | 5 | 10 | 5 | 1 | 1 | 5 | 1 | 1 | 10 | 2 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | |
| 22 | 24 | 24 | 30 | 25 | 39 | 60 | 47 | 48 | 38 | 42 | 41 | 40 | 38 | 39 | 36 | 46 | 44 | 43 | 4 | |
| 6 | 5 | 9 | 14 | 11 | 25 | 39 | 30 | 32 | 24 | 22 | 24 | 24 | 23 | 26 | 22 | 22 | 19 | 22 | 3 | |
| 6 | 8 | 8 | 4 | 4 | 8 | 8 | 10 | 8 | 6 | 9 | 11 | 9 | 8 | 2 | 7 | 10 | 10 | 12 | 1 | |
| 10 | 11 | 7 | 12 | 10 | 6 | 13 | 7 | 8 | 8 | 11 | 6 | 7 | 7 | 11 | 7 | 14 | 15 | 9 | 1 | |

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Picea mariana/Rosa acicularis/Equisetum sps. community

| 0002 | 0003 | 0036 | 0009 | 0010 | 0129 | 0237 | 0236 | 0051 | 0052 | 0118 | 0008 | 0055 | 0232 | 0056 | 0156 | 0215 | 0235 | 0115 | 02 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 366 | 421 | 438 | 547 | 531 | 157 | 164 | 180 | 176 | 176 | 448 | 186 | 155 | 124 | 163 | 717 | 907 | 178 | 507 | 10 | |
| 70 | 70 | 80 | 35 | 45 | 90 | 60 | 30 | 25 | 30 | 60 | 45 | 65 | 75 | 70 | 65 | 40 | 60 | 30 | 5 | |
| 0 | 1 | 1 | 5 | 5 | 20 | 35 | 70 | 5 | 25 | 70 | 5 | 50 | 35 | 10 | 5 | 10 | 25 | 65 | 1 | |
| 0.5 | 10 | 1 | 1 | 5 | 5 | 5 | 1 | 15 | 10 | 30 | 2 | 0.5 | 5 | 5 | 2 | 20 | 30 | 20 | 1 | |
| 1 | 1 | 5 | 1 | 1 | 35 | 10 | 1 | 5 | 1 | 5 | 10 | 5 | 1 | 1 | 5 | 1 | 1 | 10 | 2 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | |
| 22 | 24 | 24 | 30 | 25 | 39 | 60 | 47 | 48 | 38 | 42 | 41 | 40 | 38 | 39 | 36 | 46 | 44 | 43 | 4 | |
| 6 | 5 | 9 | 14 | 11 | 25 | 39 | 30 | 32 | 24 | 22 | 24 | 24 | 23 | 26 | 22 | 22 | 19 | 22 | 3 | |
| 6 | 8 | 8 | 4 | 4 | 8 | 8 | 10 | 8 | 6 | 9 | 11 | 9 | 8 | 2 | 7 | 10 | 10 | 12 | 1 | |
| 10 | 11 | 7 | 12 | 10 | 6 | 13 | 7 | 8 | 8 | 11 | 6 | 7 | 7 | 11 | 7 | 14 | 15 | 9 | 1 | |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 4 | 4 | 5 | 3.5 | 3.5 | 5 | 1 | 0.5 | 3 | 3 | 4 | 3.5 | 3 | 4.5 | 4 | 4 | 3.5 | 5 | 3 | |
| 4 | 4 | 4 | 0.5 | 2.5 | 3 | 2 | 2.5 | 1 | 1.5 | 4 | 2.5 | 3 | 5 | 3 | 4 | 2 | 2 | 1 | |
| | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | 2 | 1.5 | 0.5 | 0.5 | 1 | 0.5 | 2 | 2 | 1.5 | 0.5 | 1.5 | 1 | |
| 0.5 | 0.5 | 0.5 | 2.5 | 2.5 | 0.5 | 1 | 0.5 | 0.5 | 1 | 2.5 | 1 | 0.5 | 0.5 | 3 | 1.5 | 2.5 | 2.5 | 2.5 | |
| 3 | 3 | 0.5 | 2 | 2.5 | | 2 | 0.5 | | | 1 | 2 | 0.5 | 0.5 | | 2.5 | 2 | 0.5 | 0.5 | |
| 0.5 | | 1 | | | 3 | 0.5 | 1 | 1.5 | 0.5 | 1 | 1 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 2 | |
| 0.1 | 0.5 | | 1.5 | 1 | 2 | 2 | 4 | 2 | 1.5 | 2.5 | 1.5 | 0.5 | 3 | 1.5 | 0.5 | 0.5 | 2.5 | | |
| 0.5 | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | 0.5 | 0.5 | 2 | 0.5 | 2.5 | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 | 0.5 | 0.5 | 0.1 | 0.5 | 0.5 | | 1 | 2.5 | |
| | | | 1 | 0.5 | 0.5 | 1 | 1 | 2 | 1.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1.5 | |

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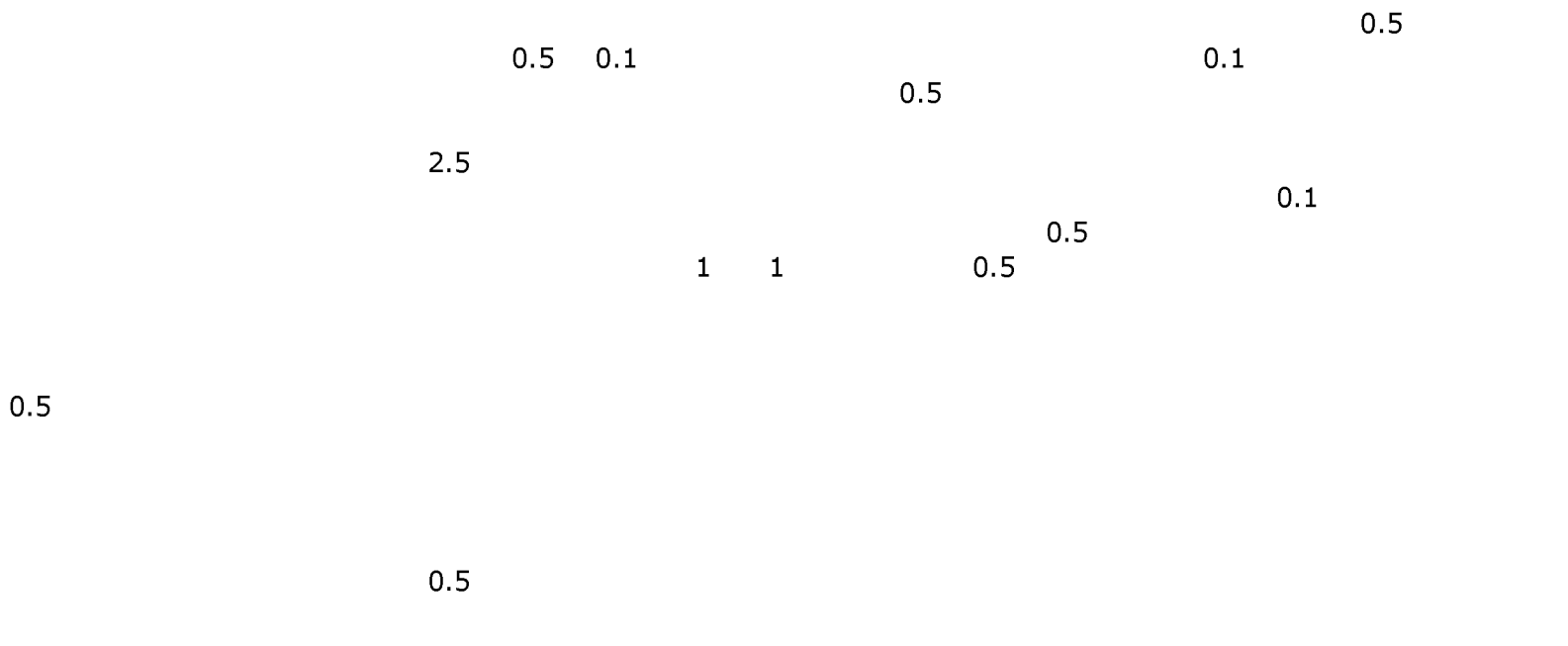
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Picea mariana/Rosa acicularis/Equisetum sps. community

| 0002 | 0003 | 0036 | 0009 | 0010 | 0129 | 0237 | 0236 | 0051 | 0052 | 0118 | 0008 | 0055 | 0232 | 0056 | 0156 | 0215 | 0235 | 0115 | 0215 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 366 | 421 | 438 | 547 | 531 | 157 | 164 | 180 | 176 | 176 | 448 | 186 | 155 | 124 | 163 | 717 | 907 | 178 | 507 | 100 | 100 |
| 70 | 70 | 80 | 35 | 45 | 90 | 60 | 30 | 25 | 30 | 60 | 45 | 65 | 75 | 70 | 65 | 40 | 60 | 30 | 5 | 5 |
| 0 | 1 | 1 | 5 | 5 | 20 | 35 | 70 | 5 | 25 | 70 | 5 | 50 | 35 | 10 | 5 | 10 | 25 | 65 | 1 | 1 |
| 0.5 | 10 | 1 | 1 | 5 | 5 | 5 | 1 | 15 | 10 | 30 | 2 | 0.5 | 5 | 5 | 2 | 20 | 30 | 20 | 1 | 1 |
| 1 | 1 | 5 | 1 | 1 | 35 | 10 | 1 | 5 | 1 | 5 | 10 | 5 | 1 | 1 | 5 | 1 | 1 | 10 | 2 | 2 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | 100 |
| 22 | 24 | 24 | 30 | 25 | 39 | 60 | 47 | 48 | 38 | 42 | 41 | 40 | 38 | 39 | 36 | 46 | 44 | 43 | 4 | 4 |
| 6 | 5 | 9 | 14 | 11 | 25 | 39 | 30 | 32 | 24 | 22 | 24 | 24 | 23 | 26 | 22 | 22 | 19 | 22 | 3 | 3 |
| 6 | 8 | 8 | 4 | 4 | 8 | 8 | 10 | 8 | 6 | 9 | 11 | 9 | 8 | 2 | 7 | 10 | 10 | 12 | 1 | 1 |
| 10 | 11 | 7 | 12 | 10 | 6 | 13 | 7 | 8 | 8 | 11 | 6 | 7 | 7 | 11 | 7 | 14 | 15 | 9 | 1 | 1 |



Picea mariana/Rosa acicularis/Equisetum sps. community

| | | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| 0002 | 0003 | 0036 | 0009 | 0010 | 0129 | 0237 | 0236 | 0051 | 0052 | 0118 | 0008 | 0055 | 0232 | 0056 | 0156 | 0215 | 0235 | 0115 | 02 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 366 | 421 | 438 | 547 | 531 | 157 | 164 | 180 | 176 | 176 | 448 | 186 | 155 | 124 | 163 | 717 | 907 | 178 | 507 | 10 | |
| 70 | 70 | 80 | 35 | 45 | 90 | 60 | 30 | 25 | 30 | 60 | 45 | 65 | 75 | 70 | 65 | 40 | 60 | 30 | 5 | |
| 0 | 1 | 1 | 5 | 5 | 20 | 35 | 70 | 5 | 25 | 70 | 5 | 50 | 35 | 10 | 5 | 10 | 25 | 65 | 1 | |
| 0.5 | 10 | 1 | 1 | 5 | 5 | 5 | 1 | 15 | 10 | 30 | 2 | 0.5 | 5 | 5 | 2 | 20 | 30 | 20 | 1 | |
| 1 | 1 | 5 | 1 | 1 | 35 | 10 | 1 | 5 | 1 | 5 | 10 | 5 | 1 | 1 | 5 | 1 | 1 | 10 | 2 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | |
| 22 | 24 | 24 | 30 | 25 | 39 | 60 | 47 | 48 | 38 | 42 | 41 | 40 | 38 | 39 | 36 | 46 | 44 | 43 | 4 | |
| 6 | 5 | 9 | 14 | 11 | 25 | 39 | 30 | 32 | 24 | 22 | 24 | 24 | 23 | 26 | 22 | 22 | 19 | 22 | 3 | |
| 6 | 8 | 8 | 4 | 4 | 8 | 8 | 10 | 8 | 6 | 9 | 11 | 9 | 8 | 2 | 7 | 10 | 10 | 12 | 1 | |
| 10 | 11 | 7 | 12 | 10 | 6 | 13 | 7 | 8 | 8 | 11 | 6 | 7 | 7 | 11 | 7 | 14 | 15 | 9 | 1 | |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 | 0057 | 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 | 132 | 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 | 20 | 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 | 75 | 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 | 5 | 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 | 1 | 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 | 29 | 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 | 13 | 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 | 7 | 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 | 9 | 6 | 3 | 9 | 7 | 14 | 12 | 1 |

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|---|---|-----|-----|-----|---|-----|---|-----|-----|-----|-----|-----|-----|-----|---|
| 0.5 | 0.5 | | 0.5 | | | | 0.5 | 0.1 | | | | | | | | 0.5 | | 0.1 | 0 |
| | | 0.5 | 0.5 | | | | | | | | | 0.5 | 0.5 | 0.5 | | | 0.5 | | |
| | | | 0.5 | | | | | | | | | | | | | | 0.5 | | 0 |
| | 2 | 0.5 | | | | 0.5 | | | | 0.5 | | | | | | | | | |
| 0.1 | | | | | | | | | 1 | | | | | | 0.5 | | | 0.5 | |
| 2 | 2 | 2 | 3 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | |

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0 |
| 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0 |
| 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 0.5 | 2 | 1 | | 0.5 | | | | 0.5 | 0.5 | 0.5 | 0.5 | |
| 1 | 0.5 | 0.1 | 0.5 | 0.1 | | | | | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | | | 0 |
| 0.5 | 0.5 | 0.5 | 0.5 | | | 0.5 | 0.5 | | | | 0.1 | 0.5 | 3 | 4 | | | 0.5 | | | |
| | 0.5 | | 0.5 | 0.5 | | | 0.5 | 0.5 | | | 0.5 | 0.5 | 0.5 | 0.5 | 1 | | 0.5 | 0.5 | 0.5 | 0 |
| | | 0.1 | | 0.5 | 0.5 | 0.5 | | 0.1 | 1.5 | 1 | 0.5 | | | | | | | | 0.5 | |
| 1 | | | | | 0.5 | 0.5 | 0.5 | | 0.5 | | | | | 0.5 | 0.5 | | | | | |
| 0.5 | 0.1 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | | | | | | 0.5 | 0.5 | | | | | 0 |
| 0.5 | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.1 | | 0.5 | 0.1 | | 0.5 | | | | |
| | 1 | 1.5 | | | | | | 2.5 | | 2 | | | | | | 1 | 1.5 | | 1.5 | |
| 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|--|-----|---|--|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|---|---|
| | | | 0.5 | | | | | | | 0.5 | | | | 0.5 | | | 0.5 | | | 0 |
| | | | 0.5 | | | | | 0.5 | | | | | | | | | | | | |
| | | | 2 | 5 | | | | | 0.5 | 0.5 | | | | 0.5 | 0.5 | 0.5 | | 1.5 | | 0 |
| 0.5 | 0.5 | | 0.5 | | | 0.5 | 0.5 | | | | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0 | |
| | | | | | | | | | | | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0 | |

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 | 0057 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 | 132 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 | 20 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 | 75 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 | 5 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 | 1 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 | 29 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 | 13 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 | 7 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 | 9 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | | 0.5 | 0.5 | 0.1 | |
| 0.5 | | | 0.1 | | 0.1 | | | | 0.5 | | | |
| | | | 1 | 0.1 | | | | | | 3 | | |
| 0.1 | | 0.5 | | | | | | | 0.1 | | | 0.5 |
| | 0.1 | | 0.5 | | | | | | | 0.5 | | 0.5 |
| | | | | | 0.5 | 1 | | | | | 0.5 | |
| 0.1 | | 0.5 | | | | | | | | | | |
| | | | 0.5 | | 3 | | 0.5 | | | 1 | | |
| | | | | | | 1 | | | 2.5 | | | |
| | | | | | | | | 0.5 | | | | |
| | | 1 | | | | | | | | | | |
| | | | | | | | | | 4 | 1 | | |
| | | 0.5 | | | | | | | | | | |
| | | | | | | | | | | | | |
| 0.5 | 1.5 | 1 | 2 | | 1 | 4 | 0.1 | 0.5 | 0.5 | 1 | | 0.5 |
| 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | | |
| | | 0.5 | | | | 0.5 | | 0.5 | 0.5 | 0.1 | | |
| | | | 0.5 | | | | 0.5 | 0.1 | 0.1 | | | |
| | | | | | | | 1.5 | 0.5 | | | | |
| | 0.1 | | 0.5 | | | 0.5 | | | | | | |
| | | | 0.5 | | | | | | | | | |
| | | | | | | | | | 0.5 | | | 0.5 |
| 0.5 | 1 | | | | | | | | | 0.5 | | |
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| 0.5 | | | | | 0.5 | | | 0.5 | | | | |

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|------|------|------|------|------|------|----|
| 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 6 | 3 | 9 | 7 | 14 | 12 | 1 |

| | | | | | | |
|-----|-----|-----|-----|-----|-----|---|
| 1 | 1.5 | 0.5 | | 0.5 | | |
| | 0.1 | | | | 0.1 | 0 |
| 0.5 | 0.5 | | 0.5 | | 3.5 | |
| | 0.1 | | | 0.1 | | 1 |
| | | | | 0.5 | 0.5 | 0 |
| | | 1 | 1.5 | | | |
| | | | 0.5 | | | |
| | | | 0.5 | | | |
| | | | 0.5 | | | |
| | | 0.5 | | | | |
| | | | 1 | 3 | | |
| | | 0.5 | 0.5 | 0.5 | 0.5 | 1 |
| 0.5 | 0.1 | | | 0.5 | 0.5 | 0 |
| 0.5 | | 0.5 | | | | |
| | 0.5 | 0.1 | | | | |
| | | 0.5 | | | | |
| | | | | 0.5 | | 0 |
| | | 0.5 | | | | |
| | | | | 1 | | |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 | 0057 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 | 132 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 | 20 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 | 75 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 | 5 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 | 1 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 | 29 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 | 13 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 | 7 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 | 9 |

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| 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 6 | 3 | 9 | 7 | 14 | 12 | 1 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 | 0057 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 | 132 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 | 20 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 | 75 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 | 5 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 | 1 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 | 29 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 | 13 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 | 7 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 | 9 |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3 | 4 | 3.5 | 4.5 | 5 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 |
| 4 | 2.5 | 1.5 | 3 | 2.5 | 3 | 1.5 | 4 | 3 | 0.5 | 2.5 | 5 | 4 |
| 1.5 | 0.5 | 0.5 | 1.5 | 2 | 2.5 | 1 | 1.5 | 1 | 0.5 | 1 | 3 | 1 |
| 1.5 | 1.5 | 0.5 | 2 | 1.5 | 1 | 1.5 | 3 | 0.5 | 0.5 | 2 | 0.5 | 0.5 |
| 3 | 1 | 1 | 1.5 | 1 | 2.5 | | | 3 | | 2 | 0.5 | 2 |
| 3 | 1 | 1 | 1.5 | 0.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 2.5 | 0.5 | 0.5 |
| 4 | 2 | 1 | 2.5 | 2 | 3 | 4 | 1.5 | 1.5 | 4 | 4 | 2 | 0.5 |
| 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1.5 | 0.5 | 1.5 | 0.5 | 1 | | |
| 0.5 | 0.5 | | 0.5 | 1 | 1 | | 0.5 | 0.5 | | | 0.5 | 0.5 |
| 1 | 0.5 | 0.5 | 1 | 0.5 | | 0.5 | 0.5 | 0.5 | 1.5 | 0.5 | 0.5 | 1 |

| | | | | | | | | | | | | |
|-----|-----|-----|-----|---|-----|--|-----|--|-----|-----|--|--|
| 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | | 0.5 | | 0.5 | 0.5 | | |
|-----|-----|-----|-----|---|-----|--|-----|--|-----|-----|--|--|

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|------|------|------|------|------|------|----|
| 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 6 | 3 | 9 | 7 | 14 | 12 | 1 |

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|-----|-----|-----|-----|-----|-----|---|
| 4.5 | 3.5 | 4 | 3 | 4 | 5 | |
| 3 | 3 | 3 | 2 | 1.5 | 2.5 | |
| 1 | 1.5 | 1.5 | 1.5 | 0.5 | 1 | 0 |
| 0.5 | | 2.5 | 2 | 2.5 | 2 | |
| 3 | 2.5 | 2.5 | 4 | 2.5 | 1 | |
| 0.5 | 2 | 1 | 0.5 | 1.5 | 2 | |
| 2 | 1.5 | 0.5 | 2 | 2 | 2.5 | 2 |
| 0.5 | | 0.5 | 2.5 | 0.5 | 0.5 | 0 |
| | | 0.5 | | 0.5 | 0.5 | |
| | | 0.5 | 0.5 | | 1 | 0 |
| | | 0.5 | 0.5 | 0.5 | 0.5 | 0 |

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|------|------|------|------|------|------|------|------|------|------|------|------|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 |

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|------|------|------|------|------|------|------|----|
| 0057 | 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 132 | 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 20 | 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 75 | 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 5 | 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 1 | 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 95 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 29 | 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 13 | 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 7 | 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 9 | 6 | 3 | 9 | 7 | 14 | 12 | 1 |

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|------|------|------|------|------|------|------|----|
| 0057 | 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 132 | 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 20 | 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 75 | 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 5 | 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 1 | 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 95 | 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 29 | 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 13 | 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 7 | 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 9 | 6 | 3 | 9 | 7 | 14 | 12 | 1 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0108 | 0113 | 0033 | 0225 | 0119 | 0128 | 0117 | 0157 | 0146 | 0132 | 0133 | 0114 | 0057 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 172 | 183 | 234 | 258 | 429 | 162 | 480 | 645 | 224 | 213 | 218 | 425 | 132 |
| 40 | 70 | 60 | 60 | 30 | 75 | 30 | 60 | 40 | 10 | 45 | 65 | 20 |
| 75 | 20 | 1 | 35 | 25 | 65 | 90 | 5 | 10 | 90 | 70 | 100 | 75 |
| 5 | 25 | 5 | 15 | 80 | 5 | 10 | 2 | 10 | 5 | 10 | 5 | 5 |
| 40 | 10 | 10 | 20 | 80 | 15 | 5 | 1 | 20 | 1 | 30 | 5 | 1 |
| 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 |
| 38 | 43 | 44 | 51 | 35 | 35 | 45 | 36 | 42 | 39 | 41 | 25 | 29 |
| 24 | 25 | 26 | 29 | 20 | 17 | 23 | 23 | 21 | 29 | 22 | 12 | 13 |
| 5 | 9 | 10 | 9 | 6 | 10 | 5 | 6 | 13 | 6 | 8 | 4 | 7 |
| 9 | 9 | 8 | 13 | 9 | 8 | 17 | 7 | 8 | 4 | 11 | 9 | 9 |

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|------|------|------|------|------|------|----|
| 0208 | 0130 | 0039 | 0155 | 0224 | 0058 | 01 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 125 | 195 | 186 | 807 | 271 | 130 | 31 |
| 75 | 45 | 60 | 35 | 50 | 80 | 5 |
| 25 | 10 | 5 | 25 | 10 | 25 | 2 |
| 20 | 5 | 5 | 15 | 30 | 5 | 1 |
| 30 | 85 | 1 | 10 | 10 | 5 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 27 | 41 | 32 | 43 | 36 | 4 |
| 16 | 17 | 21 | 17 | 21 | 15 | 2 |
| 5 | 7 | 11 | 8 | 8 | 9 | 8 |
| 6 | 3 | 9 | 7 | 14 | 12 | 1 |

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0206 | 0207 | 0116 | 0120 | 0216 | 0141 | 0125 | 0126 | 0034 | 0021 | 0031 | 0101 | 0107 | 0032 | 0040 | 0123 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 195 | 221 | 473 | 430 | 898 | 374 | 425 | 533 | 272 | 115 | 290 | 240 | 327 | 254 | 187 | 380 |
| 75 | 80 | 20 | 10 | 0 | 5 | 5 | 35 | 35 | 50 | 70 | 70 | 10 | 70 | 50 | 70 |
| 50 | 5 | 40 | 15 | 100 | 100 | 40 | 75 | 1 | 1 | 5 | 1 | 10 | 1 | 10 | 40 |
| 5 | 0.5 | 40 | 50 | 5 | 15 | 85 | 50 | 15 | 2 | 1 | 0.5 | 5 | 2 | 2 | 2 |
| 15 | 30 | 30 | 90 | 10 | 10 | 1 | 10 | 50 | 1 | 1 | 5 | 5 | 15 | 20 | 45 |
| 100 | 100 | 100 | 100 | 30 | 100 | 65 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 80 | 100 |
| 22 | 25 | 44 | 35 | 31 | 44 | 36 | 46 | 37 | 35 | 33 | 32 | 40 | 25 | 36 | 35 |
| 16 | 15 | 20 | 23 | 22 | 23 | 24 | 23 | 17 | 18 | 16 | 15 | 19 | 13 | 21 | 14 |
| 3 | 5 | 12 | 6 | 5 | 10 | 5 | 12 | 17 | 12 | 8 | 5 | 14 | 8 | 12 | 7 |
| 3 | 5 | 12 | 6 | 4 | 11 | 7 | 11 | 3 | 5 | 9 | 12 | 7 | 4 | 3 | 14 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|---|-----|---|---|-----|-----|-----|-----|-----|-----|-----|
| 0.5 | 0.5 | | | | | 0.5 | | | | 0.1 | | | | | |
| | | | | | | 0.5 | | | 0.5 | 0.5 | 0.5 | | 0.5 | | 0.5 |
| | | | | | | 0.5 | | | | | | 0.5 | | | |
| | | | | | | | | | | | 0.1 | | | | |
| | | | 0.5 | 0.1 | | | | | | | | 0.5 | | 0.5 | |
| 1 | 1 | 0.5 | | | | | | | | | | | | | 0.5 |
| | | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 1 | 2 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | | 0.5 | | | 0.5 | 0.5 | | | | 0.5 | | 0.5 | | 1 |
| | | 0.5 | | 0.5 | 0.5 | | | 0.5 | | 0.5 | | | | 0.5 | |
| | | 0.5 | 0.5 | 1 | 1.5 | 0.5 | 2 | | | 0.5 | 0.5 | | | | 0.5 |
| 0.5 | 0.1 | | | 1 | | | | | | 0.5 | 1.5 | | | | 0.5 |
| 1 | 0.5 | | | | | 0.5 | 0.5 | | | 0.5 | | | | | 0.5 |
| 0.5 | | | | | | | | 0.1 | 0.1 | | | | 0.1 | | |
| | | 1 | 0.5 | 1.5 | 0.5 | | | 1.5 | 0.5 | | | 0.5 | | 0.5 | |
| 2 | 3 | 0.5 | | 0.5 | | | | | | | 2 | 0.5 | 0.5 | 0.1 | |
| | | 3 | 0.5 | | 0.5 | 0.5 | 0.5 | | | 0.5 | | | | | |
| | | | | | 0.5 | | | | 0.5 | | | 0.5 | | | |
| | | | 2.5 | | | | | 1 | 1 | | | 1 | | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |

| | | | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|--|-----|--|-----|-----|-----|--|---|-----|-----|
| | 0.5 | | | | | | | | | 0.5 | 0.5 | | | | |
| | | | 0.5 | | 1.5 | | 0.5 | | 0.5 | | | | | 0.5 | |
| | 1.5 | | 1 | 1.5 | | | | | | | 1 | | 2 | | |
| | 0.1 | | | | 0.1 | | 0.5 | | | | 0.1 | | | | |
| | | 0.5 | | | | | 0.5 | | | 0.5 | 0.5 | | | | 0.5 |

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0206 | 0207 | 0116 | 0120 | 0216 | 0141 | 0125 | 0126 | 0034 | 0021 | 0031 | 0101 | 0107 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 195 | 221 | 473 | 430 | 898 | 374 | 425 | 533 | 272 | 115 | 290 | 240 | 327 |
| 75 | 80 | 20 | 10 | 0 | 5 | 5 | 35 | 35 | 50 | 70 | 70 | 10 |
| 50 | 5 | 40 | 15 | 100 | 100 | 40 | 75 | 1 | 1 | 5 | 1 | 10 |
| 5 | 0.5 | 40 | 50 | 5 | 15 | 85 | 50 | 15 | 2 | 1 | 0.5 | 5 |
| 15 | 30 | 30 | 90 | 10 | 10 | 1 | 10 | 50 | 1 | 1 | 5 | 5 |
| 100 | 100 | 100 | 100 | 30 | 100 | 65 | 100 | 100 | 100 | 100 | 100 | 100 |
| 22 | 25 | 44 | 35 | 31 | 44 | 36 | 46 | 37 | 35 | 33 | 32 | 40 |
| 16 | 15 | 20 | 23 | 22 | 23 | 24 | 23 | 17 | 18 | 16 | 15 | 19 |
| 3 | 5 | 12 | 6 | 5 | 10 | 5 | 12 | 17 | 12 | 8 | 5 | 14 |
| 3 | 5 | 12 | 6 | 4 | 11 | 7 | 11 | 3 | 5 | 9 | 12 | 7 |
| 2.5 | 2 | | 0.5 | | | | 1 | | 0.1 | | 0.5 | |
| 0.5 | 0.5 | 0.5 | | | | | | | | | 0.5 | |
| | | | | | 1 | | | 0.5 | | | | |
| | 0.5 | | | | 3 | 0.5 | | | 0.1 | 0.1 | 0.5 | |
| | | | | | 0.5 | | | | | | 0.1 | |
| | | | | | 0.5 | | | | | | | |
| | | | | | 3 | 2 | | | | | | |
| | | 0.5 | | | 0.5 | | | | | | | |
| | | | | | | | | | 0.5 | | | |
| | | | | | | | | | 0.1 | | | |
| | | | | | | | | 0.5 | 0.5 | | | |
| | | | | | | | | | 0.5 | | | |
| | | | | | | | | | | | | p |
| | | 1 | | 0.5 | 1.5 | | | | | 0.5 | | |
| | | | | | | | | | | | | |
| | | | 1.5 | 0.5 | 1.5 | 0.5 | 4 | 4 | 1 | 0.5 | 0.1 | 3 |
| | | | | | 0.5 | 0.5 | | 0.5 | | | | |
| | | 0.5 | | | 1.5 | | | | 0.5 | 0.5 | | 0.5 |
| | | | | 4 | | | 0.5 | | 0.5 | | | |
| | | 0.5 | 0.5 | | | | 1 | | 0.5 | | 0.5 | 0.5 |
| 0.5 | | 0.1 | | 0.5 | 0.1 | 0.5 | | 0.1 | 0.5 | | | |
| | | | | | | 0.5 | | | | | 0.5 | 0.5 |
| | | | 0.5 | | | | 1 | 0.5 | | | | |
| | | | | 0.5 | | | | 0.5 | | | | |
| | | 0.5 | | | 0.5 | | | | | | | |
| | | 1 | 0.5 | | | | | | | | | |
| | | | | 0.5 | | | 0.1 | | | | 0.5 | |

| | | |
|-------|------|------|
| 0032 | 0040 | 0123 |
| 100 | 100 | 100 |
| 254 | 187 | 380 |
| 70 | 50 | 70 |
| 1 | 10 | 40 |
| 2 | 2 | 2 |
| 15 | 20 | 45 |
| 100 | 80 | 100 |
| 25 | 36 | 35 |
| 13 | 21 | 14 |
| 8 | 12 | 7 |
| 4 | 3 | 14 |
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|------|------|------|------|
| 0107 | 0032 | 0040 | 0123 |
| 100 | 100 | 100 | 100 |
| 327 | 254 | 187 | 380 |
| 10 | 70 | 50 | 70 |
| 10 | 1 | 10 | 40 |
| 5 | 2 | 2 | 2 |
| 5 | 15 | 20 | 45 |
| 100 | 100 | 80 | 100 |
| 40 | 25 | 36 | 35 |
| 19 | 13 | 21 | 14 |
| 14 | 8 | 12 | 7 |
| 7 | 4 | 3 | 14 |

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| 0032 | 0040 | 0123 |
| 100 | 100 | 100 |
| 254 | 187 | 380 |
| 70 | 50 | 70 |
| 1 | 10 | 40 |
| 2 | 2 | 2 |
| 15 | 20 | 45 |
| 100 | 80 | 100 |
| 25 | 36 | 35 |
| 13 | 21 | 14 |
| 8 | 12 | 7 |
| 4 | 3 | 14 |

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|-----|-----|-----|
| 4 | 3.5 | 4 |
| 4 | 1.5 | 4 |
| 0.5 | 0.5 | 1 |
| | | 2 |
| 1.5 | 1.5 | 2 |
| 1 | 2 | 1.5 |
| 0.5 | 0.5 | 2 |
| | 0.5 | 1 |
| | 0.1 | 1.5 |
| | 0.5 | |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0206 | 0207 | 0116 | 0120 | 0216 | 0141 | 0125 | 0126 | 0034 | 0021 | 0031 | 0101 | 0107 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 195 | 221 | 473 | 430 | 898 | 374 | 425 | 533 | 272 | 115 | 290 | 240 | 327 |
| 75 | 80 | 20 | 10 | 0 | 5 | 5 | 35 | 35 | 50 | 70 | 70 | 10 |
| 50 | 5 | 40 | 15 | 100 | 100 | 40 | 75 | 1 | 1 | 5 | 1 | 10 |
| 5 | 0.5 | 40 | 50 | 5 | 15 | 85 | 50 | 15 | 2 | 1 | 0.5 | 5 |
| 15 | 30 | 30 | 90 | 10 | 10 | 1 | 10 | 50 | 1 | 1 | 5 | 5 |
| 100 | 100 | 100 | 100 | 30 | 100 | 65 | 100 | 100 | 100 | 100 | 100 | 100 |
| 22 | 25 | 44 | 35 | 31 | 44 | 36 | 46 | 37 | 35 | 33 | 32 | 40 |
| 16 | 15 | 20 | 23 | 22 | 23 | 24 | 23 | 17 | 18 | 16 | 15 | 19 |
| 3 | 5 | 12 | 6 | 5 | 10 | 5 | 12 | 17 | 12 | 8 | 5 | 14 |
| 3 | 5 | 12 | 6 | 4 | 11 | 7 | 11 | 3 | 5 | 9 | 12 | 7 |
| | | 0.5 | | | 0.5 | 0.5 | | | | 0.1 | | 0.5 |
| | 0.5 | | | | | 0.5 | | | 0.5 | 0.5 | 1 | 0.5 |
| | | 0.5 | | | | | | 0.5 | 0.5 | | | 0.5 |
| 0.5 | 0.5 | 1 | | | 0.5 | | 0.5 | | | 0.5 | 0.5 | 1.5 |
| | 1 | | | | | | 0.5 | | | | | |
| | | 3 | 5 | 0.1 | | 0.5 | 0.5 | 3 | 0.5 | | | 0.5 |
| | | | 0.5 | | 2.5 | | 0.5 | | | | | |
| | | 0.5 | | | | 0.5 | 2.5 | | | | | 0.5 |
| | | 2.5 | 0.5 | | 0.5 | 1 | | 1.5 | | | | |
| 0.5 | | | | | | | 0.5 | | | | | |
| | | 0.5 | | 0.5 | 0.5 | | 0.5 | | | | | |
| | | 1 | | 0.5 | | | | 0.5 | | | | 1.5 |
| | 1.5 | | | | | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | |
| | | | | | | | 0.5 | 0.5 | 0.5 | | | |
| 1 | | | | 0.5 | | | | 0.5 | | | | |
| | | | | | | | | | 1 | | | |
| | | | | | | | | | | | 0.5 | |
| | | 0.5 | | 0.5 | | 0.5 | | | | | | |
| | | 0.5 | | | | | | | | | | |
| | | | 0.5 | | 0.5 | | 0.5 | | | | | 0.1 |
| | | | 0.5 | | | | | | | | 0.5 | |
| 0.5 | | | | | | | | 1 | | 0.5 | | |
| | | | | | | | | | 0.5 | | | |
| | | 0.5 | | | 0.1 | 0.5 | | | | | | |
| | | 0.5 | | | 0.5 | | | | | | | |

| | | |
|------|------|------|
| 0032 | 0040 | 0123 |
| 100 | 100 | 100 |
| 254 | 187 | 380 |
| 70 | 50 | 70 |
| 1 | 10 | 40 |
| 2 | 2 | 2 |
| 15 | 20 | 45 |
| 100 | 80 | 100 |
| 25 | 36 | 35 |
| 13 | 21 | 14 |
| 8 | 12 | 7 |
| 4 | 3 | 14 |

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|------|------|
| 0040 | 0123 |
| 100 | 100 |
| 187 | 380 |
| 50 | 70 |
| 10 | 40 |
| 2 | 2 |
| 20 | 45 |
| 80 | 100 |
| 36 | 35 |
| 21 | 14 |
| 12 | 7 |
| 3 | 14 |

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|------|------|------|------|------|------|------|------|------|
| 0206 | 0207 | 0116 | 0120 | 0216 | 0141 | 0125 | 0126 | 0034 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 195 | 221 | 473 | 430 | 898 | 374 | 425 | 533 | 272 |
| 75 | 80 | 20 | 10 | 0 | 5 | 5 | 35 | 35 |
| 50 | 5 | 40 | 15 | 100 | 100 | 40 | 75 | 1 |
| 5 | 0.5 | 40 | 50 | 5 | 15 | 85 | 50 | 15 |
| 15 | 30 | 30 | 90 | 10 | 10 | 1 | 10 | 50 |
| 100 | 100 | 100 | 100 | 30 | 100 | 65 | 100 | 100 |
| 22 | 25 | 44 | 35 | 31 | 44 | 36 | 46 | 37 |
| 16 | 15 | 20 | 23 | 22 | 23 | 24 | 23 | 17 |
| 3 | 5 | 12 | 6 | 5 | 10 | 5 | 12 | 17 |
| 3 | 5 | 12 | 6 | 4 | 11 | 7 | 11 | 3 |

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| 0021 | 0031 | 0101 | 0107 | 0032 | 0040 | 0123 |
|------|------|------|------|------|------|------|
| 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 115 | 290 | 240 | 327 | 254 | 187 | 380 |
| 50 | 70 | 70 | 10 | 70 | 50 | 70 |
| 1 | 5 | 1 | 10 | 1 | 10 | 40 |
| 2 | 1 | 0.5 | 5 | 2 | 2 | 2 |
| 1 | 1 | 5 | 5 | 15 | 20 | 45 |
| 100 | 100 | 100 | 100 | 100 | 80 | 100 |
| 35 | 33 | 32 | 40 | 25 | 36 | 35 |
| 18 | 16 | 15 | 19 | 13 | 21 | 14 |
| 12 | 8 | 5 | 14 | 8 | 12 | 7 |
| 5 | 9 | 12 | 7 | 4 | 3 | 14 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0206 | 0207 | 0116 | 0120 | 0216 | 0141 | 0125 | 0126 | 0034 | 0021 | 0031 | 0101 | 0107 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 195 | 221 | 473 | 430 | 898 | 374 | 425 | 533 | 272 | 115 | 290 | 240 | 327 |
| 75 | 80 | 20 | 10 | 0 | 5 | 5 | 35 | 35 | 50 | 70 | 70 | 10 |
| 50 | 5 | 40 | 15 | 100 | 100 | 40 | 75 | 1 | 1 | 5 | 1 | 10 |
| 5 | 0.5 | 40 | 50 | 5 | 15 | 85 | 50 | 15 | 2 | 1 | 0.5 | 5 |
| 15 | 30 | 30 | 90 | 10 | 10 | 1 | 10 | 50 | 1 | 1 | 5 | 5 |
| 100 | 100 | 100 | 100 | 30 | 100 | 65 | 100 | 100 | 100 | 100 | 100 | 100 |
| 22 | 25 | 44 | 35 | 31 | 44 | 36 | 46 | 37 | 35 | 33 | 32 | 40 |
| 16 | 15 | 20 | 23 | 22 | 23 | 24 | 23 | 17 | 18 | 16 | 15 | 19 |
| 3 | 5 | 12 | 6 | 5 | 10 | 5 | 12 | 17 | 12 | 8 | 5 | 14 |
| 3 | 5 | 12 | 6 | 4 | 11 | 7 | 11 | 3 | 5 | 9 | 12 | 7 |

| | | |
|------|------|------|
| 0032 | 0040 | 0123 |
| 100 | 100 | 100 |
| 254 | 187 | 380 |
| 70 | 50 | 70 |
| 1 | 10 | 40 |
| 2 | 2 | 2 |
| 15 | 20 | 45 |
| 100 | 80 | 100 |
| 25 | 36 | 35 |
| 13 | 21 | 14 |
| 8 | 12 | 7 |
| 4 | 3 | 14 |

Appendix 1b. Summary table for the Nonacidic black spruce community type

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana/Rosa acicularis/Equisetum sps*):

| | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

Differential taxa for dry nonacidic black spruce forest: *Picea mariana/Cladina stellaris/Peltigera malacea*:

| | | | | | | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Equisetum pratense</i> | + | + | + | + | + | + | + | + | 1a | + |
| <i>Cladina stellaris</i> | + | + | + | + | + | + | + | + | | |
| <i>Peltigera malacea</i> | + | + | + | + | + | + | + | + | + | + |
| <i>Cornus canadensis</i> | + | + | + | + | + | + | + | | + | + |
| frequency of dry species | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |

Differential taxa for wet nonacidic black spruce/larch fen: *Picea mariana/Larix laricina/Chamaedaphne c*:

| | | | | | | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Tomenthypnum nitens</i> | + | 3 | | | | + | + | | | |
| <i>Rubus chamaemorus</i> | | | + | | | | 2a | | | |
| <i>Eriophorum vaginatum</i> | | | | r | + | p | | | | |
| <i>Betula nana</i> | | | | | | + | | | | |
| <i>Larix laricina</i> | | | | | | | | | | |
| <i>Chamaedaphne calyculata</i> | | | | | | | | | | |
| frequency of wet species | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 0 | 0 |

Non-differential taxa occurring predominantly in *Picea mariana/Cladina stellaris/Peltigera malacea* subt

| | | | | | | | | | | |
|-------------------------------------|----|---|---|----|----|---|----|---|----|----|
| <i>Geocaulon lividum</i> | | | + | + | 1a | + | 1b | | 2b | + |
| <i>Dicranum bergeri</i> | 1b | | + | 1a | + | | + | | | |
| <i>Peltigera aphthosa</i> | + | + | | 1a | | + | + | + | | + |
| <i>Picea glauca</i> | | + | | | | + | + | | 2a | |
| <i>Polytrichum commune</i> | | + | + | + | | | + | + | + | + |
| <i>FlavoFlavocetraria cucullata</i> | r | + | + | | + | | + | | | |
| <i>Salix myrtillofolia</i> | | + | | + | | + | + | | | |
| <i>Polytrichum strictum</i> | | + | | | 2b | | | | | |
| <i>Nephroma arcticum</i> | | | + | | | + | + | | | + |
| <i>Cladina stygia</i> | 1a | | | 1a | | | 2a | | | 1a |
| <i>Peltigera canina</i> | | | | + | 1a | | | + | | |
| <i>Nephroma expallidum</i> | + | | | | + | | | | | |

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana*/*Rosa acicularis*/*Equisetum sps*):

| | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

Cladonia sulphurina

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*Populus tremuloides**Goodyera repens***Non-differential taxa occurring predominantly in *Picea mariana*/*Larix laricina*/*Chamadaphne calyculata*:**

| | | | | | | | | | | |
|--------------------------------|---|---|----|--|----|----|----|---|--|---|
| <i>Equisetum scirpoides</i> | + | + | + | | | 1a | + | + | | + |
| <i>Arctostaphylos rubra</i> | + | + | + | | 2a | + | 1a | + | | + |
| <i>Cladina rangiferina</i> | | + | 1a | | + | + | | + | | |
| <i>Sphagnum warnstorffii</i> | + | | | | | | + | | | + |
| <i>Potentilla fruticosa</i> | | | | | | 1a | + | | | |
| <i>Salix pulchra</i> | + | | | | + | 1b | | | | |
| <i>Aulacomnium turgidum</i> | 3 | | + | | | | | | | |
| <i>Ledum decumbens</i> | | | | | + | | | | | |
| <i>Carex bigelowii</i> | | | | | + | | | | | |
| <i>Sphagnum rubellum</i> | | | | | | | | | | |
| <i>Oxycoccus microcarpus</i> | | | | | | | + | | | |
| <i>Cladonia chlorophaea</i> | | | | | | | | | | |
| <i>Peltigera polydactyla</i> | | + | | | | | | | | |
| <i>Sphagnum capillifolium</i> | | | 3 | | | | + | | | |
| <i>Polytrichum juniperinum</i> | + | | | | + | | | | | |
| <i>dicranum sp. #1</i> | | + | | | | + | | | | |
| <i>Sphagnum angustifolium</i> | | | | | | | | | | |
| <i>Sphagnum fuscum</i> | | | | | | | + | | | |
| <i>Cladonia uncialis</i> | | | | | | | | | | |
| <i>Sphagnum fimbriatum</i> | | | | | + | | | | | |
| <i>Sphagnum russowii</i> | | | | | | | | | | |
| <i>Sphagnum squarrosum</i> | | | | | + | | | | | |

Non-differential taxa restricted to *Picea mariana*/*Cladina stellaris*/*Peltigera malacea* subtype

| | | | | | | | | | | |
|-----------------------------|--|---|---|---|--|--|--|---|---|---|
| <i>Linnaea borealis</i> | | | | | | | | | + | |
| <i>Dicranum acutifolium</i> | | + | | | | | | | | + |
| <i>Dicranum polysetum</i> | | | + | + | | | | + | | |

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana*/*Rosa acicularis*/*Equisetum sps*):

| | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

Valeriana capitata

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*Lycopodium complantum**Splachnum sphaericum*

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*Lycopodium annotium**Viburnum edule*

+

Rhytidiadelphus triquetrus

1a

*Ceratodon purpureus**Lobaria linita*

+

Carex coccina

+

Peltigera sp.

+

*Dicranum bonjeanii**Dicranum flexicaule**Cetraria nivalis*

+

*Dicranum spadiceum**Hedysarum alpinum**Peltigera membranacea*

+

Non-differential taxa restricted to *Picea mariana*/*Larix laricina*/*Chamadaphne calyculata* subtype*Sphagnum teres**Sphagnum magellanicum**Ranunculus lapponicus**Cladonia pyxidata**Polygonum bistorta**Splachnum cf vasculosum**Salix fuscescens***Constant taxa***Picea mariana* 5 4 4 4 4.5 4 4 3 3 3*Hylocomium splendens* 2a 4 1b 4 2a 3 4 4 4 4*Vaccinium vitis-idaea* 1b + + 1a 2b 2a + 1a 3 1a*Calamagrostis canadensis* 1a + 1b 1b 2a + 1a + 1a +*Ledum groenlandicum* 2b + 2a 2a + 1b 2b + 4

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana*/*Rosa acicularis*/*Equisetum sps*):

| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

| | | | | | | | | | | |
|-----------------------------|----|----|----|----|----|---|----|----|----|----|
| <i>Aulacomnium palustre</i> | + | + | + | + | 4 | | | + | | + |
| <i>Rosa acicularis</i> | + | + | + | 1a | + | + | + | + | 1a | + |
| <i>Cladina arbuscula</i> | 2b | 2b | 2b | 2a | + | 3 | 2b | + | | 1a |
| <i>Pleurozium schreberi</i> | + | + | 2b | 2a | 1a | | 1a | 2a | 3 | 3 |
| <i>Vaccinium uliginosum</i> | + | + | + | 1a | 3 | + | + | | | + |

Non-differential taxa occurring throughout *Picea mariana*/*Rosa acicularis*/*Equisetum sps* community

| | | | | | | | | | | |
|--|----|----|----|----|----|---|----|----|----|----|
| <i>Empetrum nigrum</i> | 1a | + | | | + | + | 2a | 1a | | + |
| <i>Cladonia gracilis</i> | 1a | + | + | 1b | + | + | 1b | + | | 1a |
| <i>Mertensia paniculata</i> | + | + | + | + | | r | + | + | + | |
| <i>Pyrola secunda</i> | + | | + | | | + | + | + | + | |
| <i>Petasites frigidus</i> | + | + | + | | + | + | | | | |
| <i>Saussurea angustifolia</i> | + | | | | + | + | | | | |
| <i>Cladonia cornuta</i> | + | | + | + | | + | + | + | | |
| <i>Peltigera scabrosa</i> | + | | + | | | | | + | | + |
| <i>Equisetum arvense</i> | | + | | | | | + | | | |
| <i>Sphagnum girgensohnii</i> | 2a | 1a | | | | | | | | + |
| <i>Betula papyrifera</i> | | + | | | | | | | + | |
| <i>Ptilium crista-castrensis</i> | | | | | | | | + | | |
| <i>Epilobium angustifolium</i> | | + | | | | r | | | + | |
| <i>Cetraria islandica</i> | + | + | | | | | + | | | |
| <i>Equisetum silvaticum</i> | | | 1b | | | | | | | |
| <i>Alnus crispa</i> | | + | r | | | | | + | | 3 |
| <i>Cladonia crispata</i> | + | + | + | | | + | + | + | | |
| <i>Peltigera leucophlebia</i> | | | + | | | | | | 1a | |
| <i>Carex vaginata</i> | | + | | | + | | | | | |
| <i>Cladonia gracilis ssp elongata</i> | | + | | r | + | | | | | |
| <i>Salix glauca</i> | + | 1b | | | | + | | | | |
| <i>Stellaria longipes</i> | | | + | | + | | | | | |
| <i>Pyrola grandiflora</i> | | | | | | + | | + | | + |
| <i>Peltigera aphthosa/leucophlebia</i> | | | | | 1a | | | | | |
| <i>Pedicularis labradorica</i> | + | | | | | + | | | | |

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana*/*Rosa acicularis*/*Equisetum sps*):

| | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

unknown graminoid

unknown shrub#1

*Hypnum plicatulum**Icmadophila ericetorum**Cladonia amaurocraea**Tetraplodon angustatus**Rumex arcticus*

+

Pyrola minor

p

+

Cladonia cyanipes

unknown shrub #2

+

*Cladonia subfurcata**Platanthera hyperborea**Dicranum groenlandicum**Moehringia lateriflora**Solidago multiradiata ssp scopulorum**Cladonia fimbriata**Carex aquatilis**Carex disperma**Hypnum holmenii*

+

*Iris setosa**Petasites sagittatus**Sphagnum sp.*

+

*Salix scouleriana**Festuca sp.**Pohlia nutans**Lupinus arcticus**Pohlia cruda*

+

Single Occurrence Taxa*Cladonia gracilis ssp vulnerata**Dicranum fuscescens**Dicranum majus**Sphagnum lenense**cladonia sp.**Poa sp.*

Nonacidic Black spruce/Rose/Horsetail forest (*Picea mariana*/*Rosa acicularis*/*Equisetum sps*):

| | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Relevé number | 0235 | 0054 | 0224 | 0123 | 0126 | 0056 | 0118 | 0057 | 0206 | 0059 |
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 178 | 154 | 271 | 380 | 533 | 163 | 448 | 132 | 195 | 134 |
| Cover Tree Layer (%) | 60 | 60 | 50 | 70 | 35 | 70 | 60 | 20 | 75 | 50 |
| Cover Shrub Layer (%) | 25 | 25 | 10 | 40 | 75 | 10 | 70 | 75 | 50 | 25 |
| Cover Seedling Layer (%) | 30 | 35 | 30 | 1 | 50 | 10 | 30 | 5 | 5 | 25 |
| Cover Herbaceous Layer (%) | 1 | 30 | 10 | 45 | 10 | 1 | 5 | 1 | 15 | 1 |
| Cover Moss/Lichen Layer (%) | 95 | 95 | 100 | 100 | 100 | 100 | 100 | 95 | 100 | 90 |
| Total Number of Taxa | 44 | 47 | 43 | 35 | 46 | 39 | 42 | 29 | 22 | 30 |
| Number of Vascular Taxa | 19 | 24 | 21 | 14 | 23 | 26 | 22 | 13 | 16 | 14 |
| Number of Bryophyte Taxa | 10 | 10 | 8 | 7 | 12 | 2 | 9 | 7 | 3 | 8 |
| Number of Lichen Taxa | 15 | 13 | 14 | 14 | 11 | 11 | 11 | 9 | 3 | 8 |

| | |
|--|--|
| <i>Populus balsamifera</i> | <i>Cladonia gracilis ssp turbinata</i> |
| <i>Cladonia ecmocyna</i> | <i>Dicranum angustum</i> |
| <i>Salix lasiandra</i> | <i>Salix richardsonii</i> |
| <i>Rubus idaeus</i> | <i>Sphagnum obtusum</i> |
| <i>Parnassia palustris</i> | <i>Cypripedium passerinum</i> |
| <i>Plantanthera obtusata</i> | <i>Salix monticola</i> |
| <i>Tolfieldia pusilla</i> | <i>Blepharostoma trichophyllum</i> |
| <i>Arctostaphylos uva-ursi</i> | <i>Brachythecium sp.</i> |
| <i>Bryum pseudotriquetrum</i> | <i>Calliergon stramineum</i> |
| <i>Calypso bulbosa</i> | <i>Carex media</i> |
| <i>Campanula rotundifolia</i> | <i>Carex urgens</i> |
| <i>Carex tenniflora</i> | <i>Cladonia pocillum</i> |
| <i>Cladonia gracilis ssp arbuscula</i> | <i>Hamatocaulis vernicosus</i> |
| <i>Leptobryum pyriforme</i> | <i>Hypnum pratense</i> |
| <i>Luzula rufescens</i> | <i>Loeskyopnum badium</i> |
| <i>Pyrola sp</i> | <i>Lophozia ventricosa</i> |
| <i>Salix barclayi</i> | <i>Pedicularis sudetica</i> |
| <i>Sphagnum contortum</i> | <i>Plagiomnium ellipticum</i> |
| <i>Stellaria calycantha</i> | <i>Poa pratense</i> |
| unknown liverwort #2 | <i>Polemonium acutiflorum</i> |
| unknown moss #2 | <i>Potentilla palustris</i> |
| <i>Andromeda polifolia</i> | <i>Ranunculus nivalis</i> |
| <i>Drosera rotundifolia</i> | <i>Salix candida</i> |

| | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0117 | 0031 | 0234 | 0219 | 0207 | 0208 | 0101 | 0121 | 0130 | 0236 | 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 480 | 290 | 190 | 205 | 221 | 125 | 240 | 430 | 195 | 180 | 190 | 318 | 124 | 717 | 507 | 1! |
| 30 | 70 | 80 | 80 | 80 | 75 | 70 | 80 | 45 | 30 | 15 | 50 | 75 | 65 | 30 | 9 |
| 90 | 5 | 5 | 5 | 5 | 25 | 1 | 45 | 10 | 70 | 50 | 25 | 35 | 5 | 65 | 2 |
| 10 | 1 | 1 | 1 | 1 | 20 | 1 | 1 | 5 | 1 | 75 | 15 | 5 | 5 | 20 | ! |
| 5 | 1 | 75 | 50 | 30 | 30 | 5 | 55 | 85 | 1 | 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 100 | 100 | 100 | 100 | 100 |
| 45 | 33 | 34 | 26 | 25 | 27 | 32 | 24 | 27 | 47 | 36 | 42 | 38 | 36 | 43 | 3 |
| 23 | 16 | 25 | 20 | 15 | 16 | 15 | 13 | 17 | 30 | 16 | 20 | 23 | 22 | 22 | 2 |
| 5 | 8 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 10 | 7 | 8 | 8 | 7 | 12 | { |
| 17 | 9 | 4 | 1 | 5 | 6 | 12 | 4 | 3 | 7 | 13 | 14 | 7 | 7 | 9 | (|

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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| + | + | 4 | 3 | + | 3 | 1b | 1b | 4 | + | | | + | + | | - |
| + | + | | | | | + | | | | + | + | | | 1a | |
| + | | r | | | | | | | | + | + | + | + | + | |
| | | | + | 1a | + | | + | + | + | | | | | | 1 |
| 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | : |

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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| + | | | | | | | | | 1a | + | | + | + | r | : |
| | | | | | | | | | | | + | | 1a | | - |
| | | | | | | | | | | | | + | | + | |
| + | | | | | | | | | | | | | | | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | : |

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|----|---|----|---|----|----|----|---|----|---|---|----|---|---|---|---|
| + | | + | + | 2a | 1a | + | + | 1b | + | | | + | + | + | |
| 1a | + | | + | + | | + | | | + | | + | + | | + | - |
| + | + | 1a | + | + | | 1a | | | | | | | | + | |
| + | | 5 | 5 | 3 | + | 2a | + | + | 3 | | | + | + | | 1 |
| | + | | | + | + | + | | + | | | | | | | |
| 1b | + | | | r | | r | | | | | + | | + | | + |
| | | | | | | | | | + | | | | + | + | - |
| 1a | + | + | | + | + | + | | | | + | | | | + | |
| | + | r | | | | | | + | | + | 1a | | | | |
| | | | | | | + | + | | + | | | | | r | |

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|-------|-------|-------|-------|-------|-----|
| 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 190 | 318 | 124 | 717 | 507 | 1! |
| 15 | 50 | 75 | 65 | 30 | 9 |
| 50 | 25 | 35 | 5 | 65 | 2 |
| 75 | 15 | 5 | 5 | 20 | ! |
| 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 36 | 42 | 38 | 36 | 43 | 3 |
| 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 8 | 8 | 7 | 12 | { |
| 13 | 14 | 7 | 7 | 9 | { |

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|----|----|----|---|----|---|
| + | + | | + | + | - |
| + | | r | + | 1a | - |
| 2a | 1a | | + | | 1 |
| 1b | 2a | 2b | | | 2 |
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| 1b | 3 | | | + | 2 |
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| 0117 | 0031 | 0234 | 0219 | 0207 | 0208 | 0101 | 0121 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 480 | 290 | 190 | 205 | 221 | 125 | 240 | 430 |
| 30 | 70 | 80 | 80 | 80 | 75 | 70 | 80 |
| 90 | 5 | 5 | 5 | 5 | 25 | 1 | 45 |
| 10 | 1 | 1 | 1 | 1 | 20 | 1 | 1 |
| 5 | 1 | 75 | 50 | 30 | 30 | 5 | 55 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 45 | 33 | 34 | 26 | 25 | 27 | 32 | 24 |
| 23 | 16 | 25 | 20 | 15 | 16 | 15 | 13 |
| 5 | 8 | 5 | 5 | 5 | 5 | 5 | 7 |
| 17 | 9 | 4 | 1 | 5 | 6 | 12 | 4 |

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| 0130 | 0236 | 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 195 | 180 | 190 | 318 | 124 | 717 | 507 | 1! |
| 45 | 30 | 15 | 50 | 75 | 65 | 30 | 9 |
| 10 | 70 | 50 | 25 | 35 | 5 | 65 | 2 |
| 5 | 1 | 75 | 15 | 5 | 5 | 20 | ! |
| 85 | 1 | 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 60 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 47 | 36 | 42 | 38 | 36 | 43 | 3 |
| 17 | 30 | 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 10 | 7 | 8 | 8 | 7 | 12 | ! |
| 3 | 7 | 13 | 14 | 7 | 7 | 9 | ! |

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|----|----|-----|----|-----|----|----|---|
| 3 | + | 4.5 | 4 | 4.5 | 4 | 3 | ! |
| 3 | 2b | 3 | 3 | 5 | 4 | 1a | : |
| 1b | 2a | + | + | 2a | 1b | 1a | - |
| 2a | 1a | 1b | 1a | + | + | 2a | : |
| 1b | 4 | 1b | 2b | 3 | + | | 2 |

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|-------|-------|-------|-------|-------|-----|
| 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 190 | 318 | 124 | 717 | 507 | 1! |
| 15 | 50 | 75 | 65 | 30 | 9 |
| 50 | 25 | 35 | 5 | 65 | 2 |
| 75 | 15 | 5 | 5 | 20 | ! |
| 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 36 | 42 | 38 | 36 | 43 | 3 |
| 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 8 | 8 | 7 | 12 | { |
| 13 | 14 | 7 | 7 | 9 | (|
| 1b | 1b | + | + | 1a | - |
| + | + | + | + | + | - |
| 2a | 2a | + | 1b | 2b | - |
| | 1a | + | 2b | + | - |
| 3 | + | 1b | + | 2b | - |
| | | | | | |
| + | + | + | + | 1b | - |
| + | | r | + | 2b | 1 |
| + | + | + | + | 1a | - |
| + | + | | + | + | - |
| 1a | + | | + | | 1 |
| + | + | 1a | | 1a | - |
| + | + | | | + | - |
| | + | + | + | | - |
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| 1b | 2a | | + | + | |
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| + | + | | | | |
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| | 1b | | | | |
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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0117 | 0031 | 0234 | 0219 | 0207 | 0208 | 0101 | 0121 | 0130 | 0236 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 480 | 290 | 190 | 205 | 221 | 125 | 240 | 430 | 195 | 180 |
| 30 | 70 | 80 | 80 | 80 | 75 | 70 | 80 | 45 | 30 |
| 90 | 5 | 5 | 5 | 5 | 25 | 1 | 45 | 10 | 70 |
| 10 | 1 | 1 | 1 | 1 | 20 | 1 | 1 | 5 | 1 |
| 5 | 1 | 75 | 50 | 30 | 30 | 5 | 55 | 85 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 |
| 45 | 33 | 34 | 26 | 25 | 27 | 32 | 24 | 27 | 47 |
| 23 | 16 | 25 | 20 | 15 | 16 | 15 | 13 | 17 | 30 |
| 5 | 8 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 10 |
| 17 | 9 | 4 | 1 | 5 | 6 | 12 | 4 | 3 | 7 |

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|-------|-------|-------|-------|-------|-----|
| 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 190 | 318 | 124 | 717 | 507 | 1! |
| 15 | 50 | 75 | 65 | 30 | 9 |
| 50 | 25 | 35 | 5 | 65 | 2 |
| 75 | 15 | 5 | 5 | 20 | ! |
| 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 36 | 42 | 38 | 36 | 43 | 3 |
| 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 8 | 8 | 7 | 12 | { |
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| 0117 | 0031 | 0234 | 0219 | 0207 | 0208 | 0101 | 0121 | 0130 | 0236 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 480 | 290 | 190 | 205 | 221 | 125 | 240 | 430 | 195 | 180 |
| 30 | 70 | 80 | 80 | 80 | 75 | 70 | 80 | 45 | 30 |
| 90 | 5 | 5 | 5 | 5 | 25 | 1 | 45 | 10 | 70 |
| 10 | 1 | 1 | 1 | 1 | 20 | 1 | 1 | 5 | 1 |
| 5 | 1 | 75 | 50 | 30 | 30 | 5 | 55 | 85 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 60 |
| 45 | 33 | 34 | 26 | 25 | 27 | 32 | 24 | 27 | 47 |
| 23 | 16 | 25 | 20 | 15 | 16 | 15 | 13 | 17 | 30 |
| 5 | 8 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 10 |
| 17 | 9 | 4 | 1 | 5 | 6 | 12 | 4 | 3 | 7 |

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|-------|-------|-------|-------|-------|-----|
| 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 190 | 318 | 124 | 717 | 507 | 1! |
| 15 | 50 | 75 | 65 | 30 | 9 |
| 50 | 25 | 35 | 5 | 65 | 2 |
| 75 | 15 | 5 | 5 | 20 | ! |
| 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 100 | 100 | 100 | 100 | 10 |
| 36 | 42 | 38 | 36 | 43 | 3 |
| 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 8 | 8 | 7 | 12 | { |
| 13 | 14 | 7 | 7 | 9 | { |

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|-------|-------|-------|-------|-------|-------|-------|-------|
| 0117 | 0031 | 0234 | 0219 | 0207 | 0208 | 0101 | 0121 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 480 | 290 | 190 | 205 | 221 | 125 | 240 | 430 |
| 30 | 70 | 80 | 80 | 80 | 75 | 70 | 80 |
| 90 | 5 | 5 | 5 | 5 | 25 | 1 | 45 |
| 10 | 1 | 1 | 1 | 1 | 20 | 1 | 1 |
| 5 | 1 | 75 | 50 | 30 | 30 | 5 | 55 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 45 | 33 | 34 | 26 | 25 | 27 | 32 | 24 |
| 23 | 16 | 25 | 20 | 15 | 16 | 15 | 13 |
| 5 | 8 | 5 | 5 | 5 | 5 | 5 | 7 |
| 17 | 9 | 4 | 1 | 5 | 6 | 12 | 4 |

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-----|
| 0130 | 0236 | 0147 | 0148 | 0232 | 0156 | 0115 | 01 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 195 | 180 | 190 | 318 | 124 | 717 | 507 | 1! |
| 45 | 30 | 15 | 50 | 75 | 65 | 30 | 9 |
| 10 | 70 | 50 | 25 | 35 | 5 | 65 | 2 |
| 5 | 1 | 75 | 15 | 5 | 5 | 20 | ! |
| 85 | 1 | 5 | 5 | 1 | 5 | 10 | 3 |
| 100 | 60 | 100 | 100 | 100 | 100 | 100 | 10 |
| 27 | 47 | 36 | 42 | 38 | 36 | 43 | 3 |
| 17 | 30 | 16 | 20 | 23 | 22 | 22 | 2 |
| 7 | 10 | 7 | 8 | 8 | 7 | 12 | { |
| 3 | 7 | 13 | 14 | 7 | 7 | 9 | { |

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| 0007 | 0021 | 0052 | 0055 | 0116 | 0133 | 0058 | 00 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 200 | 115 | 176 | 155 | 473 | 218 | 130 | 18 |
| 25 | 50 | 30 | 65 | 20 | 45 | 80 | 4 |
| 15 | 1 | 25 | 50 | 40 | 70 | 25 | ! |
| 1 | 1 | 10 | 35 | 40 | 10 | 5 | : |
| 10 | 1 | 1 | 5 | 30 | 30 | 5 | 1 |
| 100 | 100 | 90 | 99 | 100 | 100 | 100 | 10 |
| 41 | 35 | 38 | 40 | 44 | 41 | 36 | 4 |
| 23 | 18 | 24 | 24 | 20 | 22 | 15 | 2 |
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| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 645 | 374 | 807 | 272 | 187 | 176 | 327 | 213 | 200 | 115 |
| 60 | 5 | 35 | 35 | 50 | 25 | 10 | 10 | 25 | 50 |
| 5 | 95 | 25 | 1 | 5 | 5 | 5 | 90 | 15 | 1 |
| 5 | 15 | 15 | 15 | 1 | 15 | 5 | 5 | 1 | 1 |
| 1 | 10 | 5 | 50 | 20 | 5 | 5 | 1 | 10 | 1 |
| 100 | 100 | 100 | 100 | 80 | 100 | 100 | 100 | 100 | 100 |
| 36 | 44 | 32 | 37 | 36 | 48 | 40 | 39 | 41 | 35 |
| 23 | 23 | 17 | 17 | 21 | 32 | 19 | 29 | 23 | 18 |
| 6 | 10 | 8 | 17 | 12 | 8 | 14 | 6 | 10 | 12 |
| 7 | 11 | 7 | 3 | 3 | 8 | 7 | 4 | 8 | 5 |

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| 0052 | 0055 | 0116 | 0133 | 0058 | 00 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 176 | 155 | 473 | 218 | 130 | 18 |
| 30 | 65 | 20 | 45 | 80 | 4 |
| 25 | 50 | 40 | 70 | 25 | ! |
| 10 | 35 | 40 | 10 | 5 | : |
| 1 | 5 | 30 | 30 | 5 | 1 |
| 90 | 99 | 100 | 100 | 100 | 10 |
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| 60 | 5 | 35 | 35 | 50 | 25 | 10 | 10 |
| 5 | 95 | 25 | 1 | 5 | 5 | 5 | 90 |
| 5 | 15 | 15 | 15 | 1 | 15 | 5 | 5 |
| 1 | 10 | 5 | 50 | 20 | 5 | 5 | 1 |
| 100 | 100 | 100 | 100 | 80 | 100 | 100 | 100 |
| 36 | 44 | 32 | 37 | 36 | 48 | 40 | 39 |
| 23 | 23 | 17 | 17 | 21 | 32 | 19 | 29 |
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| 200 | 115 | 176 | 155 | 473 | 218 | 130 | 18 |
| 25 | 50 | 30 | 65 | 20 | 45 | 80 | 4 |
| 15 | 1 | 25 | 50 | 40 | 70 | 25 | ! |
| 1 | 1 | 10 | 35 | 40 | 10 | 5 | : |
| 10 | 1 | 1 | 5 | 30 | 30 | 5 | 1 |
| 100 | 100 | 90 | 99 | 100 | 100 | 100 | 10 |
| 41 | 35 | 38 | 40 | 44 | 41 | 36 | 4 |
| 23 | 18 | 24 | 24 | 20 | 22 | 15 | 2 |
| 10 | 12 | 6 | 9 | 12 | 8 | 9 | 1 |
| 8 | 5 | 8 | 7 | 12 | 11 | 12 | (|
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| + | + | + | + | 1b | 1a | + | - |
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| + | r | + | + | 1b | | + | - |
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| 0007 | 0021 | 0052 | 0055 | 0116 | 0133 | 0058 | 00 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 200 | 115 | 176 | 155 | 473 | 218 | 130 | 18 |
| 25 | 50 | 30 | 65 | 20 | 45 | 80 | 4 |
| 15 | 1 | 25 | 50 | 40 | 70 | 25 | ! |
| 1 | 1 | 10 | 35 | 40 | 10 | 5 | : |
| 10 | 1 | 1 | 5 | 30 | 30 | 5 | 1 |
| 100 | 100 | 90 | 99 | 100 | 100 | 100 | 10 |
| 41 | 35 | 38 | 40 | 44 | 41 | 36 | 4 |
| 23 | 18 | 24 | 24 | 20 | 22 | 15 | 2 |
| 10 | 12 | 6 | 9 | 12 | 8 | 9 | 1 |
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| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 645 | 374 | 807 | 272 | 187 | 176 | 327 | 213 |
| 60 | 5 | 35 | 35 | 50 | 25 | 10 | 10 |
| 5 | 95 | 25 | 1 | 5 | 5 | 5 | 90 |
| 5 | 15 | 15 | 15 | 1 | 15 | 5 | 5 |
| 1 | 10 | 5 | 50 | 20 | 5 | 5 | 1 |
| 100 | 100 | 100 | 100 | 80 | 100 | 100 | 100 |
| 36 | 44 | 32 | 37 | 36 | 48 | 40 | 39 |
| 23 | 23 | 17 | 17 | 21 | 32 | 19 | 29 |
| 6 | 10 | 8 | 17 | 12 | 8 | 14 | 6 |
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| 200 | 115 | 176 | 155 | 473 | 218 | 130 | 18 |
| 25 | 50 | 30 | 65 | 20 | 45 | 80 | 4 |
| 15 | 1 | 25 | 50 | 40 | 70 | 25 | ! |
| 1 | 1 | 10 | 35 | 40 | 10 | 5 | : |
| 10 | 1 | 1 | 5 | 30 | 30 | 5 | 1 |
| 100 | 100 | 90 | 99 | 100 | 100 | 100 | 10 |
| 41 | 35 | 38 | 40 | 44 | 41 | 36 | 4 |
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| 645 | 374 | 807 | 272 | 187 | 176 | 327 | 213 |
| 60 | 5 | 35 | 35 | 50 | 25 | 10 | 10 |
| 5 | 95 | 25 | 1 | 5 | 5 | 5 | 90 |
| 5 | 15 | 15 | 15 | 1 | 15 | 5 | 5 |
| 1 | 10 | 5 | 50 | 20 | 5 | 5 | 1 |
| 100 | 100 | 100 | 100 | 80 | 100 | 100 | 100 |
| 36 | 44 | 32 | 37 | 36 | 48 | 40 | 39 |
| 23 | 23 | 17 | 17 | 21 | 32 | 19 | 29 |
| 6 | 10 | 8 | 17 | 12 | 8 | 14 | 6 |
| 7 | 11 | 7 | 3 | 3 | 8 | 7 | 4 |

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|-------|-------|-------|-------|-------|-------|-------|-----|
| 0007 | 0021 | 0052 | 0055 | 0116 | 0133 | 0058 | 00 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 100 |
| 200 | 115 | 176 | 155 | 473 | 218 | 130 | 18 |
| 25 | 50 | 30 | 65 | 20 | 45 | 80 | 4 |
| 15 | 1 | 25 | 50 | 40 | 70 | 25 | ! |
| 1 | 1 | 10 | 35 | 40 | 10 | 5 | : |
| 10 | 1 | 1 | 5 | 30 | 30 | 5 | 1 |
| 100 | 100 | 90 | 99 | 100 | 100 | 100 | 10 |
| 41 | 35 | 38 | 40 | 44 | 41 | 36 | 4 |
| 23 | 18 | 24 | 24 | 20 | 22 | 15 | 2 |
| 10 | 12 | 6 | 9 | 12 | 8 | 9 | 1 |
| 8 | 5 | 8 | 7 | 12 | 11 | 12 | (|

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|-------|-------|-------|-------|-------|-------|
| 0128 | 0146 | 0119 | 0120 | 0212 | 0225 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 162 | 224 | 429 | 430 | 133 | 258 |
| 75 | 40 | 30 | 10 | 50 | 60 |
| 65 | 10 | 25 | 15 | 10 | 35 |
| 5 | 10 | 80 | 50 | 5 | 15 |
| 15 | 20 | 80 | 90 | 20 | 20 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 35 | 42 | 35 | 35 | 43 | 51 |
| 17 | 21 | 20 | 23 | 30 | 29 |
| 10 | 13 | 6 | 6 | 5 | 9 |
| 8 | 8 | 9 | 6 | 8 | 13 |

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| 15 | 20 | 80 |
| 100 | 100 | 100 |
| 35 | 42 | 35 |
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| 10000 | 10000 | 10000 |
| 430 | 133 | 258 |
| 10 | 50 | 60 |
| 15 | 10 | 35 |
| 50 | 5 | 15 |
| 90 | 20 | 20 |
| 100 | 100 | 100 |
| 35 | 43 | 51 |
| 23 | 30 | 29 |
| 6 | 5 | 9 |
| 6 | 8 | 13 |

Appendix 1c. Summary table for the Acidic Black Spruce community type

Acidic Black Spruce/Lichen forest (*Picea mariana*/*Cetraria islandica*):

| Relevé number | tkn0221 | tkn0014 | tkn0205 | tkn0214 | tkn0013 | tkn0222 | tkn0035 | tkn0003 | tkn0 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 444 | 426 | 23+ | 590 | 502 | 473 | 440 | 421 | 473 |
| Cover Tree Layer (%) | 60 | 60 | 75 | 75 | 60 | 40 | 70 | 70 | 40 |
| Cover Shrub Layer (%) | 15 | 1 | 1 | 55 | 1 | 5 | 5 | 1 | 5 |
| Cover Seedling Layer (%) | 10 | 1 | 1 | 5 | 1 | 5 | 1 | 10 | 10 |
| Cover Herbaceous Layer (%) | 5 | 5 | 1 | 1 | 1 | 5 | 1 | 1 | 5 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 28 | 37 | 37 | 31 | 34 | 30 | 24 | 27 |
| Number of Vascular Taxa | 13 | 10 | 18 | 17 | 13 | 11 | 10 | 5 | 9 |
| Number of Bryophyte Taxa | 5 | 7 | 6 | 7 | 5 | 8 | 9 | 8 | 6 |
| Number of Lichen Taxa | 18 | 11 | 13 | 13 | 13 | 15 | 11 | 11 | 11 |

Differential non-wet taxa

| | | | | | | | | | |
|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Betula papyrifera</i> | + | r | + | + | r | + | + | r | r |
| <i>Peltigera malacea</i> | + | + | + | + | + | + | + | + | + |
| <i>Rosa acicularis</i> | + | + | + | + | r | 1a | | | |
| Frequency of non-wet species | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |

Differential taxa for wet acidic black spruce muskeg: *Picea mariana*/*Ledum decumbens*/*Sphagnum girgensohnii*

| | | | | | | | | | |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <i>Rubus chamaemorus</i> | | | + | | | | | | |
| <i>Ledum decumbens</i> | | | | | | | | | |
| <i>Sphagnum girgensohnii</i> | | | | | | | | | |
| <i>Oxycoccus microcarpus</i> | | | | | | | | | |
| <i>Spiraea beauverdiana</i> | | | | + | | + | | | |
| <i>Eriophorum vaginatum</i> | | | | | | | | | |
| <i>Polygonum alaskanum</i> | | | | | + | | | | |
| <i>Aulacomnium palustre</i> | | | | | | | | | |
| <i>Aulacomnium turgidum</i> | | | | | | | | | |
| <i>Betula nana</i> | | | | | | | | | |
| <i>Carex bigelowii</i> | | | | | | + | | | |
| <i>Sphagnum rubellum</i> | | | | | | | | | |
| <i>Sphagnum magellanicum</i> | | | | | | | | | |
| Frequency of wet species | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 |

Non-differential taxa occurring predominantly in non-wet sites

| | | | | | | | | | |
|-----------------------------|----|----|---|----|----|----|---|----|---|
| <i>Cladonia rangiferina</i> | 2a | 1a | + | + | 1a | + | + | + | + |
| <i>Geocaulon lividum</i> | + | + | + | 1a | + | 1b | + | 2a | + |
| <i>Peltigera aphthosa</i> | 1b | + | | + | | 1a | + | 1b | |
| <i>Dicranum bergeri</i> | 1a | + | | + | | 1a | | + | + |
| <i>Cornus canadensis</i> | + | + | + | + | + | + | + | | |
| <i>Cladonia crispata</i> | + | | r | | | + | | | + |

Acidic Black Spruce/Lichen forest (*Picea mariana/Cetraria islandica*):

| Relevé number | tkn0221 | tkn0014 | tkn0205 | tkn0214 | tkn0013 | tkn0222 | tkn0035 | tkn0003 | tkn0 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 444 | 426 | 23+ | 590 | 502 | 473 | 440 | 421 | 473 |
| Cover Tree Layer (%) | 60 | 60 | 75 | 75 | 60 | 40 | 70 | 70 | 40 |
| Cover Shrub Layer (%) | 15 | 1 | 1 | 55 | 1 | 5 | 5 | 1 | 5 |
| Cover Seedling Layer (%) | 10 | 1 | 1 | 5 | 1 | 5 | 1 | 10 | 10 |
| Cover Herbaceous Layer (%) | 5 | 5 | 1 | 1 | 1 | 5 | 1 | 1 | 5 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 28 | 37 | 37 | 31 | 34 | 30 | 24 | 27 |
| Number of Vascular Taxa | 13 | 10 | 18 | 17 | 13 | 11 | 10 | 5 | 9 |
| Number of Bryophyte Taxa | 5 | 7 | 6 | 7 | 5 | 8 | 9 | 8 | 6 |
| Number of Lichen Taxa | 18 | 11 | 13 | 13 | 13 | 15 | 11 | 11 | 11 |

| | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|--|
| <i>Cladonia uncialis</i> | + | | | r | | | r | | |
| <i>Lycopodium complantum</i> | | | | + | | | | | |
| <i>Dicranum polysetum</i> | | | + | + | r | + | + | + | |
| <i>Cladonia cenotea</i> | + | + | | | | | | | |
| <i>Dicranum fuscescens</i> | | + | | | | | + | | |
| <i>Salix glauca</i> | | | | | | | | | |
| <i>Nephroma expallidum</i> | | | | | | | | | |
| <i>Mertensia paniculata</i> | | | + | | | | | | |
| <i>Salix scouleriana</i> | | | | + | | | | | |

Non-differential taxa occurring predominantly in *Picea mariana/Ledum decumbens/Sphagnum girgensoh*

| | | | | | | | | | |
|--------------------------------|----|---|----|--|--|--|---|---|--|
| <i>Cladonia cornuta</i> | 1a | | | | | | + | | |
| <i>Equisetum silvaticum</i> | + | | 1a | | | | | | |
| <i>Cladina stygia</i> | | | | | | | | | |
| <i>Icmadophila ericetorum</i> | | | | | | | | + | |
| <i>Petasites frigidus</i> | | | | | | | | | |
| <i>Sphagnum capillifolium</i> | | | | | | | | | |
| <i>Salix pulchra</i> | | | | | | | | | |
| <i>Sphagnum russowii</i> | | + | | | | | | | |
| <i>Sphagnum warnstorffii</i> | | | | | | | | | |
| <i>Peltigera polydactyla</i> | | | | | | | | | |
| <i>Carex sp.</i> | | | | | | | | | |
| <i>Pedicularis labradorica</i> | | | | | | | | | |

Non-differential taxa restricted to non-wet sites

| | | | | | | | | | |
|-------------------------------|---|--|---|---|---|--|---|---|--|
| <i>Linnaea borealis</i> | | | r | + | | | + | | |
| <i>Cladonia diftate</i> | | | | | | | | + | |
| <i>Lycopodium dendroideum</i> | | | | | | | | | |
| <i>Pohlia nutans</i> | | | | | | | | + | |
| <i>Polytrichum sp.</i> | + | | | | | | | | |
| <i>Cladonia phyllophora</i> | | | | | | | | | |
| <i>Cladonia squamosa</i> | | | | | + | | | | |

Acidic Black Spruce/Lichen forest (*Picea mariana*/*Cetraria islandica*):

| Relevé number | tkn0221 | tkn0014 | tkn0205 | tkn0214 | tkn0013 | tkn0222 | tkn0035 | tkn0003 | tkn0 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 444 | 426 | 23+ | 590 | 502 | 473 | 440 | 421 | 473 |
| Cover Tree Layer (%) | 60 | 60 | 75 | 75 | 60 | 40 | 70 | 70 | 40 |
| Cover Shrub Layer (%) | 15 | 1 | 1 | 55 | 1 | 5 | 5 | 1 | 5 |
| Cover Seedling Layer (%) | 10 | 1 | 1 | 5 | 1 | 5 | 1 | 10 | 10 |
| Cover Herbaceous Layer (%) | 5 | 5 | 1 | 1 | 1 | 5 | 1 | 1 | 5 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 28 | 37 | 37 | 31 | 34 | 30 | 24 | 27 |
| Number of Vascular Taxa | 13 | 10 | 18 | 17 | 13 | 11 | 10 | 5 | 9 |
| Number of Bryophyte Taxa | 5 | 7 | 6 | 7 | 5 | 8 | 9 | 8 | 6 |
| Number of Lichen Taxa | 18 | 11 | 13 | 13 | 13 | 15 | 11 | 11 | 11 |

Non-differential taxa restricted to *Picea mariana*/*Ledum decumbens*/*Sphagnum girgensohnii* subtype*Sphagnum angustifolium**Sphagnum fuscum**Andromeda polifolia**Drosera rotundifolia**Chamaedaphne calyculata**Cladonia amaurocraea**Peltigera aphthosa/leucophlebia**Petasites hyperboreus**Pinguicula villosa**Ranunculus lapponicus**Sphagnum lenense**Stereocaulon alpinum**Dicranum spadiceum**Equisetum arvense**Tomenthypnum nitens**Luzula parviflora**Poa sp.**Sphagnum aongstroemii**Sphagnum balticum**Cladonia sp.**Cladonia carneola***Constant taxa***Picea mariana* 4.5 4 4 4.5 4 3 4 4 3*Pleurozium schreberi* 2b 3 2b 3 3 3 3 3 4*Cladina arbuscula* 2a 1a + 1b 1b 2a + +*Hylocomium splendens* 2b 4 4 4 4 3 3 4 3*Vaccinium vitis-idaea* 1a + + + + + + + 1.*Cetraria islandica* + + + + + + + r*Vaccinium uliginosum* + 3 + + +

Acidic Black Spruce/Lichen forest (*Picea mariana*/*Cetraria islandica*):

| Relevé number | tkn0221 | tkn0014 | tkn0205 | tkn0214 |
|-------------------------------|---------|---------|---------|---------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 444 | 426 | 23+ | 590 |
| Cover Tree Layer (%) | 60 | 60 | 75 | 75 |
| Cover Shrub Layer (%) | 15 | 1 | 1 | 55 |
| Cover Seedling Layer (%) | 10 | 1 | 1 | 5 |
| Cover Herbaceous Layer (%) | 5 | 5 | 1 | 1 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 95 | 100 |
| Total Number of Taxa | 36 | 28 | 37 | 37 |
| Number of Vascular Taxa | 13 | 10 | 18 | 17 |
| Number of Bryophyte Taxa | 5 | 7 | 6 | 7 |
| Number of Lichen Taxa | 18 | 11 | 13 | 13 |

*Cladonia gracilis ssp vulnerata**Cladonia coccifera**Equisetum scirpoides**Salix bebbiana*

r

unknown liverwort

*Polygonum bistorta**Dicranum majus**Epilobium angustifolium*

r

*Cladonia subfurcata**Alnus tenuifolia*

1a

*Salix brachycarpa**Salix fuscescens**Dicranum elongatum*

unknown forb #1

*dicranum sp. #2**Salix #1**Salix myrtilifolia**Saussurea angustifolia**Splachnum ampullaceum**Stereocaulon paschale**Rhytidium rugosum**Sanionia uncinata*

unknown moss #1

unknown graminoid

*cladonia sp.**cup cladonia #1**Festuca sp.**Masonhalea richardsonii**Potentilla fruticosa**Ptilidium ciliare*

unknown shrub #1

1a

Dicranum acutifolium

| tkn0013 | tkn0222 | tkn0035 | tkn0003 | tkn0 |
|---------|---------|---------|---------|------|
| 10000 | 10000 | 10000 | 10000 | 100 |
| 502 | 473 | 440 | 421 | 47 |
| 60 | 40 | 70 | 70 | 4 |
| 1 | 5 | 5 | 1 | 5 |
| 1 | 5 | 1 | 10 | 1 |
| 1 | 5 | 1 | 1 | 5 |
| 100 | 100 | 100 | 100 | 10 |
| 31 | 34 | 30 | 24 | 2 |
| 13 | 11 | 10 | 5 | 9 |
| 5 | 8 | 9 | 8 | 6 |
| 13 | 15 | 11 | 11 | 1 |

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Acidic Black Spruce/Lichen forest (*Picea mariana*/*Cetraria islandica*):

| Relevé number | tkn0221 | tkn0014 | tkn0205 | tkn0214 | tkn0013 | tkn0222 | tkn0035 | tkn0003 | tkn0 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Relevé Size (m ²) | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Altitude (m a.s.l.) | 444 | 426 | 23+ | 590 | 502 | 473 | 440 | 421 | 473 |
| Cover Tree Layer (%) | 60 | 60 | 75 | 75 | 60 | 40 | 70 | 70 | 40 |
| Cover Shrub Layer (%) | 15 | 1 | 1 | 55 | 1 | 5 | 5 | 1 | 5 |
| Cover Seedling Layer (%) | 10 | 1 | 1 | 5 | 1 | 5 | 1 | 10 | 10 |
| Cover Herbaceous Layer (%) | 5 | 5 | 1 | 1 | 1 | 5 | 1 | 1 | 5 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 95 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total Number of Taxa | 36 | 28 | 37 | 37 | 31 | 34 | 30 | 24 | 27 |
| Number of Vascular Taxa | 13 | 10 | 18 | 17 | 13 | 11 | 10 | 5 | 9 |
| Number of Bryophyte Taxa | 5 | 7 | 6 | 7 | 5 | 8 | 9 | 8 | 6 |
| Number of Lichen Taxa | 18 | 11 | 13 | 13 | 13 | 15 | 11 | 11 | 11 |

Single occurrence taxa

| | | | |
|---|------------------------------|------------------------------|--------------------------------|
| <i>Achillea lanulosa</i> | <i>Dactylina arctica</i> | <i>Populus balsamifera</i> | <i>Luzula arcuala</i> |
| <i>Arctostaphylos rubra</i> | <i>Dicranum angustum</i> | <i>Populus tremuloides</i> | <i>Luzula multiflora</i> |
| <i>Carex garberi</i> | <i>Dicranum laevidens</i> | <i>Ribes hudsonianum</i> | <i>Odontoschisma elongatum</i> |
| <i>Carex vaginata</i> | <i>Cladonia subulata</i> | <i>Salix alaxensis</i> | <i>Peltigera retifoveata</i> |
| <i>Cladonia cariosa</i> | <i>Goodyera repens</i> | <i>Salix lasiandra</i> | <i>Polytrichum hyberboreum</i> |
| <i>Cladonia cervicornis</i> | <i>Hypnum plicatulum</i> | <i>Splachnum sphaericum</i> | <i>Pyrola asarifolia</i> |
| <i>Cladonia crispata</i> cf var <i>cetrariiforr</i> | <i>Lobaria linita</i> | <i>Stellaria crassifolia</i> | <i>Pyrola grandiflora</i> |
| <i>Cladonia cyanipes</i> | <i>Lupinus arcticus</i> | <i>Stellaria longipes</i> | <i>Pyrola secunda</i> |
| <i>Cladonia ecmocyna</i> | <i>Peltigera membranacea</i> | <i>Hedysarum alpinum</i> | <i>Ranunculus gmelini</i> |
| <i>Cladonia gracilis</i> ssp <i>turbinata</i> | <i>Pohlia cruda</i> | <i>Hierochloe alpina</i> | <i>Ranunculus</i> sp. |

| tkn0036 | tkn0213 | tkn0041 | tkn0122 | tkn0152 | tkn0223 | tkn0153 | tkn0002 | tkn0001 | tkn0004 | tkn0009 | tkn0010 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 438 | 610 | 543 | 410 | 876 | 404 | 815 | 366 | 497 | 459 | 547 | 531 | |
| 80 | 60 | 50 | 70 | 50 | 75 | 40 | 70 | 65 | 50 | 35 | 45 | |
| 1 | 75 | 5 | 15 | 30 | 15 | 25 | 0 | 25 | 10 | 5 | 5 | |
| 1 | 25 | 5 | 5 | 5 | 25 | 5 | 1 | 1 | 5 | 1 | 5 | |
| 5 | 5 | 1 | 5 | 1 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 24 | 32 | 35 | 45 | 32 | 38 | 38 | 22 | 23 | 20 | 30 | 25 | |
| 9 | 15 | 16 | 22 | 13 | 15 | 17 | 6 | 10 | 11 | 14 | 11 | |
| 8 | 4 | 6 | 7 | 4 | 8 | 10 | 6 | 5 | 4 | 4 | 4 | |
| 7 | 13 | 13 | 16 | 15 | 15 | 11 | 10 | 8 | 5 | 12 | 10 | |

| | | | | | | | | | | | |
|----------|----------|----------|-----------------------|----------|-----------------------|----------|----------|----------|----------|----------|----------|
| + | + | r | | + | | + | + | r | + | r | + |
| + | + | + | + | + | + | + | | | | | |
| 2 | 2 | 2 | 1a 2 | 2 | 1a 2 | 2 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | | | | | | |
|---|---|---|----|---|---|----|--|---|---|---|---|
| | | + | | | + | | | r | + | + | + |
| + | | | | | | | | | | | |
| | r | | | | | 1b | | | | | |
| | | | 1a | + | r | r | | | | | |
| | | | + | + | | 1b | | | | | |
| | | | | | | + | | | | | |
| | | | | | | 1a | | | | | |

| | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 1 | 1 | 2 | 2 | 4 | 4 | 0 | 1 | 1 | 1 | 1 |
| | | + | | 2b | 2b | 4 | + | | + | 1b | 2b |
| + | 1a | + | 1b | | + | | | 1a | 1b | + | + |
| + | | + | 1a | + | 1a | + | + | + | 1a | | |
| | + | 1a | | | + | + | | | + | 1b | + |
| + | + | + | 1a | | + | | | | | | |
| | r | | r | + | + | + | | + | | + | |

| tkn0004 | tkn0009 | tkn0010 | t |
|---------|---------|---------|---|
| 10000 | 10000 | 10000 | |
| 459 | 547 | 531 | |
| 50 | 35 | 45 | |
| 10 | 5 | 5 | |
| 5 | 1 | 5 | |
| 1 | 1 | 1 | |
| 100 | 100 | 100 | |
| 20 | 30 | 25 | |
| 11 | 14 | 11 | |
| 4 | 4 | 4 | |
| 5 | 12 | 10 | |

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| tkn0036 | tkn0213 | tkn0041 | tkn0122 | tkn0152 | tkn0223 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 438 | 610 | 543 | 410 | 876 | 404 |
| 80 | 60 | 50 | 70 | 50 | 75 |
| 1 | 75 | 5 | 15 | 30 | 15 |
| 1 | 25 | 5 | 5 | 5 | 25 |
| 5 | 5 | 1 | 5 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 24 | 32 | 35 | 45 | 32 | 38 |
| 9 | 15 | 16 | 22 | 13 | 15 |
| 8 | 4 | 6 | 7 | 4 | 8 |
| 7 | 13 | 13 | 16 | 15 | 15 |

| | | | | | |
|---|-----|----|----|----|-----|
| 5 | 4.5 | 3 | 4 | 3 | 4.5 |
| + | 2b | 3 | 2a | + | 3 |
| + | 2a | 2b | 2a | 3 | 2b |
| 4 | 2b | 1b | 3 | 3 | 3 |
| + | 2a | + | 2a | 1b | + |
| | + | 1a | 1a | + | 1a |
| | + | + | 1a | 2b | + |

| tkn0153 | tkn0002 | tkn0001 | tkn0004 | tkn0009 | tkn0010 | t |
|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 815 | 366 | 497 | 459 | 547 | 531 | |
| 40 | 70 | 65 | 50 | 35 | 45 | |
| 25 | 0 | 25 | 10 | 5 | 5 | |
| 5 | 1 | 1 | 5 | 1 | 5 | |
| 5 | 1 | 1 | 1 | 1 | 1 | |
| 100 | 100 | 100 | 100 | 100 | 100 | |
| 38 | 22 | 23 | 20 | 30 | 25 | |
| 17 | 6 | 10 | 11 | 14 | 11 | |
| 10 | 6 | 5 | 4 | 4 | 4 | |
| 11 | 10 | 8 | 5 | 12 | 10 | |

| | | | | | |
|----|---|----|----|----|----|
| 3 | 4 | 4 | 3 | 3 | 3 |
| 1a | 3 | 4 | 3 | 2a | 2b |
| 3 | + | + | + | 2b | 2b |
| 3 | 4 | 3 | 4 | + | 2b |
| 2a | | 2a | 1b | + | + |
| + | | + | | + | + |
| 2b | + | | | + | + |

| tkn0036 | tkn0213 | tkn0041 | tkn0122 | tkn0152 | tkn0223 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 438 | 610 | 543 | 410 | 876 | 404 |
| 80 | 60 | 50 | 70 | 50 | 75 |
| 1 | 75 | 5 | 15 | 30 | 15 |
| 1 | 25 | 5 | 5 | 5 | 25 |
| 5 | 5 | 1 | 5 | 1 | 5 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 24 | 32 | 35 | 45 | 32 | 38 |
| 9 | 15 | 16 | 22 | 13 | 15 |
| 8 | 4 | 6 | 7 | 4 | 8 |
| 7 | 13 | 13 | 16 | 15 | 15 |
| 1a | + | + | + | 1a | 1a |
| + | + | | + | + | + |
| | 4 | 3 | + | 1b | 2a |
| + | | | 1a | | |
| | + | | 1b | 2b | |
| + | 2a | + | | + | + |
| | | | | | |
| | + | + | + | + | |
| | 2a | + | + | + | |
| | + | + | | | + |
| + | | + | | | + |
| | | + | + | | 1a |
| | + | + | + | + | 1a |
| | | 1a | | | |
| | | | | + | + |
| 3 | | | | | + |
| | | + | | | |
| | 1a | | | | |
| | | | | | |
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| + | | | + | | |
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tkn0153 tkn0002 tkn0001 tkn0004 tkn0009 tkn0010 t

10000 10000 10000 10000 10000 10000

815 366 497 459 547 531

40 70 65 50 35 45

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5 1 1 5 1 5

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100 100 100 100 100 100

38 22 23 20 30 25

17 6 10 11 14 11

10 6 5 4 4 4

11 10 8 5 12 10

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| tkn0036 | tkn0213 | tkn0041 | tkn0122 | tkn0152 | tkn0223 | tkn0153 | tkn0002 | tkn0001 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 438 | 610 | 543 | 410 | 876 | 404 | 815 | 366 | 497 |
| 80 | 60 | 50 | 70 | 50 | 75 | 40 | 70 | 65 |
| 1 | 75 | 5 | 15 | 30 | 15 | 25 | 0 | 25 |
| 1 | 25 | 5 | 5 | 5 | 25 | 5 | 1 | 1 |
| 5 | 5 | 1 | 5 | 1 | 5 | 5 | 1 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 24 | 32 | 35 | 45 | 32 | 38 | 38 | 22 | 23 |
| 9 | 15 | 16 | 22 | 13 | 15 | 17 | 6 | 10 |
| 8 | 4 | 6 | 7 | 4 | 8 | 10 | 6 | 5 |
| 7 | 13 | 13 | 16 | 15 | 15 | 11 | 10 | 8 |

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| tkn0004 | tkn0009 | tkn0010 | t |
|---------|---------|---------|---|
| 10000 | 10000 | 10000 | |
| 459 | 547 | 531 | |
| 50 | 35 | 45 | |
| 10 | 5 | 5 | |
| 5 | 1 | 5 | |
| 1 | 1 | 1 | |
| 100 | 100 | 100 | |
| 20 | 30 | 25 | |
| 11 | 14 | 11 | |
| 4 | 4 | 4 | |
| 5 | 12 | 10 | |

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| tkn0036 | tkn0213 | tkn0041 | tkn0122 | tkn0152 | tkn0223 | tkn0153 | tkn0002 | tkn0001 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 438 | 610 | 543 | 410 | 876 | 404 | 815 | 366 | 497 |
| 80 | 60 | 50 | 70 | 50 | 75 | 40 | 70 | 65 |
| 1 | 75 | 5 | 15 | 30 | 15 | 25 | 0 | 25 |
| 1 | 25 | 5 | 5 | 5 | 25 | 5 | 1 | 1 |
| 5 | 5 | 1 | 5 | 1 | 5 | 5 | 1 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 24 | 32 | 35 | 45 | 32 | 38 | 38 | 22 | 23 |
| 9 | 15 | 16 | 22 | 13 | 15 | 17 | 6 | 10 |
| 8 | 4 | 6 | 7 | 4 | 8 | 10 | 6 | 5 |
| 7 | 13 | 13 | 16 | 15 | 15 | 11 | 10 | 8 |

| tkn0004 | tkn0009 | tkn0010 | t |
|---------|---------|---------|---|
| 10000 | 10000 | 10000 | |
| 459 | 547 | 531 | |
| 50 | 35 | 45 | |
| 10 | 5 | 5 | |
| 5 | 1 | 5 | |
| 1 | 1 | 1 | |
| 100 | 100 | 100 | |
| 20 | 30 | 25 | |
| 11 | 14 | 11 | |
| 4 | 4 | 4 | |
| 5 | 12 | 10 | |

| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 | tkn0144 | tkn0030 | tkn0038 | tkn0110 | tkn0136 | tkn0154 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 403 | 375 | 485 | 464 | 270 | 277 | 382 | 448 | 349 | 228 | 260 | 802 | |
| 40 | 50 | 50 | 40 | 30 | 10 | 40 | 50 | 15 | 15 | 30 | 30 | |
| 5 | 25 | 30 | 15 | 45 | 15 | 10 | 5 | 5 | 55 | 85 | 55 | |
| 1 | 25 | 30 | 5 | 60 | 10 | 1 | 1 | 5 | 20 | 40 | 1 | |
| 5 | 5 | 55 | 30 | 10 | 85 | 25 | 1 | 1 | 40 | 30 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 42 | 44 | 44 | 41 | 44 | 34 | 40 | 33 | 43 | 33 | 51 | 39 | |
| 20 | 19 | 21 | 18 | 17 | 18 | 13 | 17 | 20 | 11 | 27 | 18 | |
| 11 | 13 | 10 | 10 | 13 | 7 | 12 | 7 | 10 | 8 | 10 | 11 | |
| 11 | 12 | 13 | 13 | 14 | 9 | 15 | 9 | 13 | 14 | 14 | 10 | |

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| | | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|
| + | 1a | + | + | + | 2a | + | + | + | 1a | + | + |
| + | 1a | 2a | + | 2b | 1a | 1b | + | + | 3 | 2a | + |
| 2b | 1a | 3 | 2b | 2a | | 4 | + | | | | 2a |
| + | + | + | + | + | + | + | + | + | + | + | + |
| + | + | 1b | + | + | + | 1b | + | | + | + | |
| + | 1a | + | 2b | 2a | 5 | 2b | 1a | + | 3 | + | 2b |
| + | 1a | r | 1a | r | 1a | | + | + | | + | |
| | | + | + | r | | | | | | 1b | + |
| + | + | + | 1b | 3 | | + | | 2a | + | | 1b |
| + | + | + | + | + | + | + | | | + | 4 | 1a |
| 1a | + | 3 | + | | 1a | 2b | + | + | | | 1b |
| 1a | + | + | | | 1a | 2b | | 1b | 1a | 3 | |
| 1a | 2b | | + | + | 1a | | + | 1a | 1a | | |
| 12 | 12 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 9 | 9 | 9 |

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| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 403 | 375 | 485 | 464 | 270 | 277 |
| 40 | 50 | 50 | 40 | 30 | 10 |
| 5 | 25 | 30 | 15 | 45 | 15 |
| 1 | 25 | 30 | 5 | 60 | 10 |
| 5 | 5 | 55 | 30 | 10 | 85 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 42 | 44 | 44 | 41 | 44 | 34 |
| 20 | 19 | 21 | 18 | 17 | 18 |
| 11 | 13 | 10 | 10 | 13 | 7 |
| 11 | 12 | 13 | 13 | 14 | 9 |
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|----|----|----|----|----|---|
| | | + | + | + | |
| 1a | | 1b | 2b | 2a | |
| + | 1a | + | r | + | + |
| | r | + | | 1b | |
| | | + | | + | |
| 1a | | | + | 1a | |
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| | | | | r | + |

tkn0144 tkn0030 tkn0038 tkn0110 tkn0136 tkn0154 t

10000 10000 10000 10000 10000 10000

382 448 349 228 260 802

40 50 15 15 30 30

10 5 5 55 85 55

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25 1 1 40 30 20

100 100 100 100 100 100

40 33 43 33 51 39

13 17 20 11 27 18

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| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 403 | 375 | 485 | 464 | 270 | 277 |
| 40 | 50 | 50 | 40 | 30 | 10 |
| 5 | 25 | 30 | 15 | 45 | 15 |
| 1 | 25 | 30 | 5 | 60 | 10 |
| 5 | 5 | 55 | 30 | 10 | 85 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 42 | 44 | 44 | 41 | 44 | 34 |
| 20 | 19 | 21 | 18 | 17 | 18 |
| 11 | 13 | 10 | 10 | 13 | 7 |
| 11 | 12 | 13 | 13 | 14 | 9 |

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| 1a | | | | + | 1b |
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| | 1a | | | | |
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| 3 | 3 | 3 | 3 | 3 | 2b |
| 1a | 2a | 3 | 3 | 2a | + |
| + | 2a | 1a | 1b | 1b | + |
| 3 | 1a | 1a | 3 | 1a | |
| + | + | + | 1b | 2b | + |
| + | + | + | + | + | + |
| + | + | 1b | + | 1b | + |

| tkn0144 | tkn0030 | tkn0038 | tkn0110 | tkn0136 | tkn0154 | t |
|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 382 | 448 | 349 | 228 | 260 | 802 | |
| 40 | 50 | 15 | 15 | 30 | 30 | |
| 10 | 5 | 5 | 55 | 85 | 55 | |
| 1 | 1 | 5 | 20 | 40 | 1 | |
| 25 | 1 | 1 | 40 | 30 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | |
| 40 | 33 | 43 | 33 | 51 | 39 | |
| 13 | 17 | 20 | 11 | 27 | 18 | |
| 12 | 7 | 10 | 8 | 10 | 11 | |
| 15 | 9 | 13 | 14 | 14 | 10 | |

| | | | | | |
|----|---|----|----|----|----|
| | | 1a | | 3 | 1b |
| 2b | | | 3 | 2b | + |
| | | + | | r | |
| | | + | r | r | |
| | | | | 1b | |
| | + | | | | + |
| + | | | | + | |
| | | | | r | |
| | | | | | + |
| | | 3 | 1b | | |
| | | | | | |
| | | | | + | |
| + | | | | | |
| + | | | | | |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 1b | 3 | 2a | 2a | 2b | 2a |
| 1a | + | 1a | + | 1a | 2b |
| + | + | 1a | r | + | 2a |
| 1a | + | + | + | 1a | 1a |
| + | + | + | + | + | + |
| 1a | + | + | + | 2b | 3 |

| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 | tkn0144 | tkn0030 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 403 | 375 | 485 | 464 | 270 | 277 | 382 | 448 |
| 40 | 50 | 50 | 40 | 30 | 10 | 40 | 50 |
| 5 | 25 | 30 | 15 | 45 | 15 | 10 | 5 |
| 1 | 25 | 30 | 5 | 60 | 10 | 1 | 1 |
| 5 | 5 | 55 | 30 | 10 | 85 | 25 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 42 | 44 | 44 | 41 | 44 | 34 | 40 | 33 |
| 20 | 19 | 21 | 18 | 17 | 18 | 13 | 17 |
| 11 | 13 | 10 | 10 | 13 | 7 | 12 | 7 |
| 11 | 12 | 13 | 13 | 14 | 9 | 15 | 9 |
| + | + | | + | + | | | + |
| + | + | + | + | + | + | + | + |
| 1b | 1b | 1b | 2b | r | | | 1b |
| + | + | + | | | + | + | + |
| + | 2a | + | + | + | 1a | | |
| | + | 1a | + | + | + | + | |
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| + | + | | + | + | | + | |
| | | + | + | | | + | |
| + | 1a | + | 1a | | r | | r |
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tkn0038 tkn0110 tkn0136 tkn0154 t

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| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 | tkn0144 | tkn0030 | tkn0038 | tkn0110 | tkn0136 | tkn0154 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 403 | 375 | 485 | 464 | 270 | 277 | 382 | 448 | 349 | 228 | 260 | 802 | |
| 40 | 50 | 50 | 40 | 30 | 10 | 40 | 50 | 15 | 15 | 30 | 30 | |
| 5 | 25 | 30 | 15 | 45 | 15 | 10 | 5 | 5 | 55 | 85 | 55 | |
| 1 | 25 | 30 | 5 | 60 | 10 | 1 | 1 | 5 | 20 | 40 | 1 | |
| 5 | 5 | 55 | 30 | 10 | 85 | 25 | 1 | 1 | 40 | 30 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 42 | 44 | 44 | 41 | 44 | 34 | 40 | 33 | 43 | 33 | 51 | 39 | |
| 20 | 19 | 21 | 18 | 17 | 18 | 13 | 17 | 20 | 11 | 27 | 18 | |
| 11 | 13 | 10 | 10 | 13 | 7 | 12 | 7 | 10 | 8 | 10 | 11 | |
| 11 | 12 | 13 | 13 | 14 | 9 | 15 | 9 | 13 | 14 | 14 | 10 | |

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| tkn0037 | tkn0111 | tkn0137 | tkn0138 | tkn0139 | tkn0112 | tkn0144 | tkn0030 | tkn0038 | tkn0110 | tkn0136 | tkn0154 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 403 | 375 | 485 | 464 | 270 | 277 | 382 | 448 | 349 | 228 | 260 | 802 | |
| 40 | 50 | 50 | 40 | 30 | 10 | 40 | 50 | 15 | 15 | 30 | 30 | |
| 5 | 25 | 30 | 15 | 45 | 15 | 10 | 5 | 5 | 55 | 85 | 55 | |
| 1 | 25 | 30 | 5 | 60 | 10 | 1 | 1 | 5 | 20 | 40 | 1 | |
| 5 | 5 | 55 | 30 | 10 | 85 | 25 | 1 | 1 | 40 | 30 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 42 | 44 | 44 | 41 | 44 | 34 | 40 | 33 | 43 | 33 | 51 | 39 | |
| 20 | 19 | 21 | 18 | 17 | 18 | 13 | 17 | 20 | 11 | 27 | 18 | |
| 11 | 13 | 10 | 10 | 13 | 7 | 12 | 7 | 10 | 8 | 10 | 11 | |
| 11 | 12 | 13 | 13 | 14 | 9 | 15 | 9 | 13 | 14 | 14 | 10 | |

| tkn0019 | tkn0022 | tkn0024 | tkn0025 | tkn0026 | tkn0027 | tkn0028 | tkn0145 | tkn0230 | tkn0231 | tkn0023 | tkn0104 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 272 | 465 | 431 | 317 | 304 | 344 | 384 | 530 | 690 | 838 | 461 | 872 | |
| 25 | 60 | 30 | 30 | 15 | 25 | 30 | 25 | 50 | 25 | 45 | 10 | |
| 5 | 1 | 10 | 5 | 70 | 5 | 5 | 90 | 10 | 80 | 1 | 90 | |
| 10 | 10 | 5 | 20 | 1 | 35 | 5 | 5 | 1 | 1 | 1 | 1 | |
| 1 | 20 | 5 | 1 | 5 | 1 | 20 | 1 | 30 | 10 | 1 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 85 | 100 | 100 | |
| 37 | 33 | 38 | 35 | 38 | 35 | 33 | 29 | 47 | 39 | 29 | 44 | |
| 16 | 15 | 17 | 14 | 20 | 18 | 17 | 16 | 22 | 16 | 14 | 22 | |
| 11 | 9 | 11 | 10 | 10 | 9 | 8 | 6 | 11 | 10 | 7 | 9 | |
| 10 | 9 | 10 | 11 | 8 | 8 | 8 | 7 | 14 | 13 | 8 | 13 | |

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|----|---|----|---|----|---|---|----|----|----|----|--|----|
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| | | 1a | | + | + | | + | + | | | | + |
| + | | | + | | | | + | | 1b | + | | |
| + | | | | | | | + | 1a | | | | r |
| | + | + | | + | | | + | 2a | + | + | | 2b |
| | | + | | | | + | | | | 2a | | |
| 1a | | | + | 1b | | | 2a | | | | | |
| | | | | + | | | | + | | | | |
| | | + | | r | | | | | | r | | |

| tkn0019 | tkn0022 | tkn0024 | tkn0025 | tkn0026 | tkn0027 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 272 | 465 | 431 | 317 | 304 | 344 |
| 25 | 60 | 30 | 30 | 15 | 25 |
| 5 | 1 | 10 | 5 | 70 | 5 |
| 10 | 10 | 5 | 20 | 1 | 35 |
| 1 | 20 | 5 | 1 | 5 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 37 | 33 | 38 | 35 | 38 | 35 |
| 16 | 15 | 17 | 14 | 20 | 18 |
| 11 | 9 | 11 | 10 | 10 | 9 |
| 10 | 9 | 10 | 11 | 8 | 8 |

| | | | | | |
|----|--|----|--|----|----|
| | | + | | 1b | 1b |
| 1b | | 1a | | 1b | |
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|----|-----|----|----|---|----|
| 3 | 4.5 | 3 | 3 | 3 | 4 |
| 1a | 3 | 2a | 1b | + | 2a |
| + | + | 1a | 1a | + | 2b |
| 1a | 3 | 4 | + | + | 1a |
| + | + | + | + | + | + |
| | + | + | + | + | + |
| + | + | + | + | + | 1a |

| tkn0028 | tkn0145 | tkn0230 | tkn0231 | tkn0023 | tkn0104 | t |
|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 384 | 530 | 690 | 838 | 461 | 872 | |
| 30 | 25 | 50 | 25 | 45 | 10 | |
| 5 | 90 | 10 | 80 | 1 | 90 | |
| 5 | 5 | 1 | 1 | 1 | 1 | |
| 20 | 1 | 30 | 10 | 1 | 20 | |
| 100 | 100 | 95 | 85 | 100 | 100 | |
| 33 | 29 | 47 | 39 | 29 | 44 | |
| 17 | 16 | 22 | 16 | 14 | 22 | |
| 8 | 6 | 11 | 10 | 7 | 9 | |
| 8 | 7 | 14 | 13 | 8 | 13 | |

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| 3 | 3 | 3 | 2b | 3 | 1b |
| 3 | 1a | 3 | 2a | 3 | 2a |
| + | + | + | + | + | 2a |
| 1a | 1b | 4 | 3 | 2a | 3 |
| + | + | + | + | + | 1b |
| + | + | + | + | + | |
| + | 2a | 1b | 3 | + | 2b |

| tkn0019 | tkn0022 | tkn0024 | tkn0025 | tkn0026 | tkn0027 | tkn0028 | tkn0145 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 272 | 465 | 431 | 317 | 304 | 344 | 384 | 530 |
| 25 | 60 | 30 | 30 | 15 | 25 | 30 | 25 |
| 5 | 1 | 10 | 5 | 70 | 5 | 5 | 90 |
| 10 | 10 | 5 | 20 | 1 | 35 | 5 | 5 |
| 1 | 20 | 5 | 1 | 5 | 1 | 20 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 37 | 33 | 38 | 35 | 38 | 35 | 33 | 29 |
| 16 | 15 | 17 | 14 | 20 | 18 | 17 | 16 |
| 11 | 9 | 11 | 10 | 10 | 9 | 8 | 6 |
| 10 | 9 | 10 | 11 | 8 | 8 | 8 | 7 |
| + | 1a | + | + | + | + | + | + |
| | + | 1a | + | + | + | + | + |
| | + | + | + | 1a | + | + | |
| + | r | + | + | + | + | r | + |
| + | r | + | | + | | + | |
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| + | | + | + | | + | + | + |
| + | | + | | | + | + | + |
| + | r | + | + | + | + | + | + |
| + | + | 2a | + | + | 1b | 1b | 1b |
| | | | r | | | r | |
| | | + | + | + | + | | |
| + | r | | | | | | |
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| + | | | | | | | |
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tkn0230 tkn0231 tkn0023 tkn0104 t

10000 10000 10000 10000

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| tkn0019 | tkn0022 | tkn0024 | tkn0025 | tkn0026 | tkn0027 | tkn0028 | tkn0145 | tkn0230 | tkn0231 | tkn0023 | tkn0104 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 272 | 465 | 431 | 317 | 304 | 344 | 384 | 530 | 690 | 838 | 461 | 872 | |
| 25 | 60 | 30 | 30 | 15 | 25 | 30 | 25 | 50 | 25 | 45 | 10 | |
| 5 | 1 | 10 | 5 | 70 | 5 | 5 | 90 | 10 | 80 | 1 | 90 | |
| 10 | 10 | 5 | 20 | 1 | 35 | 5 | 5 | 1 | 1 | 1 | 1 | |
| 1 | 20 | 5 | 1 | 5 | 1 | 20 | 1 | 30 | 10 | 1 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 85 | 100 | 100 | |
| 37 | 33 | 38 | 35 | 38 | 35 | 33 | 29 | 47 | 39 | 29 | 44 | |
| 16 | 15 | 17 | 14 | 20 | 18 | 17 | 16 | 22 | 16 | 14 | 22 | |
| 11 | 9 | 11 | 10 | 10 | 9 | 8 | 6 | 11 | 10 | 7 | 9 | |
| 10 | 9 | 10 | 11 | 8 | 8 | 8 | 7 | 14 | 13 | 8 | 13 | |

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| tkn0019 | tkn0022 | tkn0024 | tkn0025 | tkn0026 | tkn0027 | tkn0028 | tkn0145 | tkn0230 | tkn0231 | tkn0023 | tkn0104 | t |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | |
| 272 | 465 | 431 | 317 | 304 | 344 | 384 | 530 | 690 | 838 | 461 | 872 | |
| 25 | 60 | 30 | 30 | 15 | 25 | 30 | 25 | 50 | 25 | 45 | 10 | |
| 5 | 1 | 10 | 5 | 70 | 5 | 5 | 90 | 10 | 80 | 1 | 90 | |
| 10 | 10 | 5 | 20 | 1 | 35 | 5 | 5 | 1 | 1 | 1 | 1 | |
| 1 | 20 | 5 | 1 | 5 | 1 | 20 | 1 | 30 | 10 | 1 | 20 | |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 85 | 100 | 100 | |
| 37 | 33 | 38 | 35 | 38 | 35 | 33 | 29 | 47 | 39 | 29 | 44 | |
| 16 | 15 | 17 | 14 | 20 | 18 | 17 | 16 | 22 | 16 | 14 | 22 | |
| 11 | 9 | 11 | 10 | 10 | 9 | 8 | 6 | 11 | 10 | 7 | 9 | |
| 10 | 9 | 10 | 11 | 8 | 8 | 8 | 7 | 14 | 13 | 8 | 13 | |

| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 | tkn0029 | tkn0042 | tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 | 447 | 534 | 426 | 400 | 716 | 291 |
| 25 | 50 | 40 | 50 | 10 | 25 | 50 | 65 | 15 | 30 | 15 | 60 |
| 80 | 75 | 50 | 75 | 95 | 15 | 1 | 1 | 5 | 80 | 65 | 50 |
| 5 | 15 | 15 | 1 | 1 | 1 | 1 | 1 | 20 | 1 | 5 | 10 |
| 30 | 10 | 5 | 1 | 1 | 60 | 1 | 1 | 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 | 35 | 39 | 36 | 36 | 42 | 35 |
| 13 | 21 | 13 | 15 | 16 | 15 | 15 | 18 | 14 | 16 | 16 | 14 |
| 8 | 7 | 10 | 9 | 11 | 10 | 7 | 6 | 7 | 7 | 8 | 8 |
| 15 | 10 | 11 | 16 | 9 | 12 | 13 | 15 | 15 | 13 | 18 | 13 |

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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2a | + | + | | | + | + | + | + | 1a | + | + |
| | + | + | 1a | 1b | 1b | | + | | | 1b | |
| | | + | + | + | 2b | | | 1b | 2a | | + |
| + | + | | | + | + | | + | + | + | | + |
| r | + | + | | | 2b | | | | | | |
| | | | + | 1a | | + | + | + | + | r | + |
| + | | + | + | 1a | | | | | | + | + |
| | 2a | + | | 1a | | + | | | | | |
| | | | 3 | | | | | | | 1b | |
| 3 | 1b | | 1a | + | 3 | | + | | | | |
| + | | | + | | | 1a | r | | | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 |

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|----|----|----|---|---|----|---|----|---|---|---|---|
| | 1a | | | | 2a | + | 1a | + | + | | |
| | + | | + | | | + | + | + | + | | + |
| 1a | + | 1a | + | + | | + | + | + | + | + | |
| | r | + | + | r | + | | | | | | + |
| | | | | | | + | + | | + | | + |
| r | | | | | r | + | + | | | r | + |

| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 | tkn0029 | tkn0042 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 | 447 | 534 |
| 25 | 50 | 40 | 50 | 10 | 25 | 50 | 65 |
| 80 | 75 | 50 | 75 | 95 | 15 | 1 | 1 |
| 5 | 15 | 15 | 1 | 1 | 1 | 1 | 1 |
| 30 | 10 | 5 | 1 | 1 | 60 | 1 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 | 35 | 39 |
| 13 | 21 | 13 | 15 | 16 | 15 | 15 | 18 |
| 8 | 7 | 10 | 9 | 11 | 10 | 7 | 6 |
| 15 | 10 | 11 | 16 | 9 | 12 | 13 | 15 |
| | | 2a | + | + | + | | |
| | | | + | | | | + |
| | | | + | | | | + |
| 1a | | | | | | | + |
| r | | | 1a | | | | + |
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| + | | | + | | r | r | r |
| | + | | | | | 1a | + |
| 1a | | 1b | 1a | 2a | | | |
| | | + | | | | | |
| 1a | + | + | | + | | | |
| | | | | | 1a | | |
| | | | | | + | | + |
| | | | | + | | 1b | |
| | | 1b | | | | | |
| | | + | + | | | | + |
| | | + | | | | 1a | |

| tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 |
| 426 | 400 | 716 | 291 |
| 15 | 30 | 15 | 60 |
| 5 | 80 | 65 | 50 |
| 20 | 1 | 5 | 10 |
| 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 |
| 36 | 36 | 42 | 35 |
| 14 | 16 | 16 | 14 |
| 7 | 7 | 8 | 8 |
| 15 | 13 | 18 | 13 |
| | | + | |

+

| | | | |
|----|----|----|----|
| r | r | + | |
| 2b | + | + | 3 |
| | | 1b | 1b |
| + | 1a | | |
| + | + | | 1b |
| | | + | |
| | | | 1a |
| | | + | |

| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 |
| 25 | 50 | 40 | 50 | 10 | 25 |
| 80 | 75 | 50 | 75 | 95 | 15 |
| 5 | 15 | 15 | 1 | 1 | 1 |
| 30 | 10 | 5 | 1 | 1 | 60 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 |
| 13 | 21 | 13 | 15 | 16 | 15 |
| 8 | 7 | 10 | 9 | 11 | 10 |
| 15 | 10 | 11 | 16 | 9 | 12 |

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|----|----|----|----|----|----|
| 3 | 3 | 3 | 3 | 2a | 3 |
| 2b | 4 | 1a | 4 | 1b | + |
| 1b | 1b | 3 | + | 3 | 2a |
| 3 | 2a | 2b | 3 | | 1b |
| 1b | 1b | + | + | + | + |
| + | + | 2b | + | + | + |
| 3 | 2b | + | 2a | 3 | 1a |

| tkn0029 | tkn0042 | tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 447 | 534 | 426 | 400 | 716 | 291 |
| 50 | 65 | 15 | 30 | 15 | 60 |
| 1 | 1 | 5 | 80 | 65 | 50 |
| 1 | 1 | 20 | 1 | 5 | 10 |
| 1 | 1 | 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 | 100 | 100 |
| 35 | 39 | 36 | 36 | 42 | 35 |
| 15 | 18 | 14 | 16 | 16 | 14 |
| 7 | 6 | 7 | 7 | 8 | 8 |
| 13 | 15 | 15 | 13 | 18 | 13 |

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|---|---|----|----|----|----|
| 3 | 4 | 2b | 3 | 2b | 4 |
| 3 | 3 | 2b | 4 | 2a | 2a |
| + | + | + | + | 2a | 2b |
| 4 | 4 | 2b | 2a | 1b | 3 |
| + | + | + | 2a | + | 1a |
| + | + | + | + | + | + |
| + | + | + | + | 3 | 1a |

| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 | tkn0029 | tkn0042 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 | 447 | 534 |
| 25 | 50 | 40 | 50 | 10 | 25 | 50 | 65 |
| 80 | 75 | 50 | 75 | 95 | 15 | 1 | 1 |
| 5 | 15 | 15 | 1 | 1 | 1 | 1 | 1 |
| 30 | 10 | 5 | 1 | 1 | 60 | 1 | 1 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 | 35 | 39 |
| 13 | 21 | 13 | 15 | 16 | 15 | 15 | 18 |
| 8 | 7 | 10 | 9 | 11 | 10 | 7 | 6 |
| 15 | 10 | 11 | 16 | 9 | 12 | 13 | 15 |
| | 1b | 2b | + | + | | + | + |
| 1a | | + | 3 | | + | + | + |
| | 3 | 2b | 1a | 1b | | 1a | 1a |
| 1b | 1b | | | | r | + | + |
| + | + | 2b | r | 1b | + | 5 | + |
| + | + | + | 1a | | | + | + |
| | | | | | | | |
| 1a | | | + | | 2a | + | + |
| + | + | + | 1b | + | + | | + |
| + | | | + | | + | | + |
| | | | | + | + | + | + |
| | | | + | | + | | + |
| | | | + | | + | | + |
| | + | | | 1a | | + | + |
| | | | | + | | | |
| | | | | + | | | |
| 4 | + | 3 | | 3 | 2a | | |
| | | | | + | | | |
| + | | | 1a | + | | | |
| | | | + | + | + | | |
| | | | | | | | |
| | | | | | | + | |
| r | + | | + | | | | |
| r | | r | | | | | |
| | + | | | | | | |
| | | | + | | | | |
| | | | | | | | + |
| | | | + | | | | |

| tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 |
| 426 | 400 | 716 | 291 |
| 15 | 30 | 15 | 60 |
| 5 | 80 | 65 | 50 |
| 20 | 1 | 5 | 10 |
| 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 |
| 36 | 36 | 42 | 35 |
| 14 | 16 | 16 | 14 |
| 7 | 7 | 8 | 8 |
| 15 | 13 | 18 | 13 |
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| + | + | | + |
| 2b | 3 | + | 3 |
| 1a | + | r | + |
| r | + | + | + |
| 1b | + | + | + |
| | | | |
| + | + | | + |
| 1a | + | 1b | |
| r | + | | |
| | | | |
| r | r | 1a | + |
| | | | |
| 1a | + | 1b | |
| | r | + | |
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| | | | |
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| + | | + | |
| | + | + | |
| | | + | |

| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 | tkn0029 | tkn0042 | tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 | 447 | 534 | 426 | 400 | 716 | 291 |
| 25 | 50 | 40 | 50 | 10 | 25 | 50 | 65 | 15 | 30 | 15 | 60 |
| 80 | 75 | 50 | 75 | 95 | 15 | 1 | 1 | 5 | 80 | 65 | 50 |
| 5 | 15 | 15 | 1 | 1 | 1 | 1 | 1 | 20 | 1 | 5 | 10 |
| 30 | 10 | 5 | 1 | 1 | 60 | 1 | 1 | 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 | 35 | 39 | 36 | 36 | 42 | 35 |
| 13 | 21 | 13 | 15 | 16 | 15 | 15 | 18 | 14 | 16 | 16 | 14 |
| 8 | 7 | 10 | 9 | 11 | 10 | 7 | 6 | 7 | 7 | 8 | 8 |
| 15 | 10 | 11 | 16 | 9 | 12 | 13 | 15 | 15 | 13 | 18 | 13 |

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1b

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| tkn0140 | tkn0149 | tkn0150 | tkn0202 | tkn0218 | tkn0227 | tkn0029 | tkn0042 | tkn0102 | tkn0103 | tkn0105 | tkn0109 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 385 | 717 | 775 | 693 | 1012 | 402 | 447 | 534 | 426 | 400 | 716 | 291 |
| 25 | 50 | 40 | 50 | 10 | 25 | 50 | 65 | 15 | 30 | 15 | 60 |
| 80 | 75 | 50 | 75 | 95 | 15 | 1 | 1 | 5 | 80 | 65 | 50 |
| 5 | 15 | 15 | 1 | 1 | 1 | 1 | 1 | 20 | 1 | 5 | 10 |
| 30 | 10 | 5 | 1 | 1 | 60 | 1 | 1 | 20 | 1 | 1 | 35 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 | 38 | 34 | 40 | 36 | 37 | 35 | 39 | 36 | 36 | 42 | 35 |
| 13 | 21 | 13 | 15 | 16 | 15 | 15 | 18 | 14 | 16 | 16 | 14 |
| 8 | 7 | 10 | 9 | 11 | 10 | 7 | 6 | 7 | 7 | 8 | 8 |
| 15 | 10 | 11 | 16 | 9 | 12 | 13 | 15 | 15 | 13 | 18 | 13 |

Appendix 1d. Summary table for the Treeline black spruce community

Treeline Black spruce woodland (*Picea mariana-Tolfieldia pusilla-Cetraria islandica ssp. crispiformis*):

| | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Relevé number | | | | | | | | | |
| Relevé Size (m ²) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Altitude (m a.s.l.) | 336 | 329 | 350 | 500 | 755 | 763 | 788 | 761 | 768 |
| Cover Tree Layer (%) | 30 | 40 | 30 | 25 | 25 | 25 | 5 | 20 | 15 |
| Cover Shrub Layer (%) | 20 | 35 | 80 | 15 | 75 | 35 | 80 | 80 | 70 |
| Cover Seedling Layer (%) | 50 | 20 | 5 | 5 | 5 | 1 | 1 | 1 | 1 |
| Cover Herbaceous Layer (%) | 20 | 10 | 35 | 1 | 1 | 5 | 10 | 5 | 80 |
| Cover Moss/Lichen Layer (%) | 100 | 100 | 25 | 100 | 100 | 90 | 100 | 100 | 15 |
| Total Number of Taxa | 46 | 46 | 54 | 53 | 38 | 48 | 48 | 40 | 45 |
| Number of Vascular Taxa | 27 | 32 | 32 | 29 | 19 | 25 | 21 | 18 | 26 |
| Number of Bryophyte Taxa | 10 | 8 | 7 | 7 | 4 | 4 | 11 | 9 | 8 |
| Number of Lichen Taxa | 9 | 6 | 15 | 17 | 15 | 19 | 16 | 13 | 11 |

Differential taxa for treeline black spruce woodland: *Picea mariana/Tolfieldia pusilla/Cetraria islandica ssp. crispiformis* communit

| | | | | | | | | | |
|---|---|----|---|----|----|---|----|----|---|
| <i>Ledum decumbens</i> | + | | + | 1a | 1a | + | 1a | 1a | + |
| <i>Tolfieldia pusilla</i> | + | 1a | r | + | + | | + | | |
| <i>Cetraria islandica ssp. crispiformis</i> | + | + | + | + | | r | r | | |
| <i>Pedicularis labradorica</i> | + | + | + | + | | + | + | | |
| <i>Cladonia uncialis</i> | + | | | + | | r | + | + | |
| <i>Dicranum flexicaule</i> | | + | + | | 1a | + | + | | |
| <i>Stereocaulon tomentosum</i> | + | | | 4 | r | | + | | r |
| <i>Polygonum bistorta</i> | | | + | | | | r | + | r |

Differential taxa for elevational acidic treeline woodland: *Picea mariana/Loiseleuria procumbens/Cetraria nivalis* subtype

| | | | | | | | | | |
|--|--|--|--|----|---|----|----|----|----|
| <i>Polytrichum commune</i> | | | | + | + | + | + | + | + |
| <i>Cetraria nivalis</i> | | | | 1a | + | 2b | 1a | | + |
| <i>Loiseleuria procumbens</i> | | | | 2b | + | 2b | 1a | | + |
| <i>Anemone narcissiflora</i> | | | | | + | + | + | + | + |
| <i>Alnus crispa</i> | | | | + | + | 1a | | 2a | 3 |
| <i>Cladina rangiferia</i> | | | | 1a | | 1b | + | + | + |
| <i>Nephroma arcticum</i> | | | | | + | + | + | + | r |
| <i>Cladonia deformis</i> | | | | + | + | r | | + | |
| <i>Cladonia gracilis</i> | | | | | | + | | + | r |
| <i>Cladonia gracilis ssp. elongata</i> | | | | + | + | | | + | |
| <i>Cornus canadensis</i> | | | | + | + | + | | | |
| <i>Lycopodium annotinum</i> | | | | | | + | | + | + |
| <i>Polytrichum strictum</i> | | | | | | | 1a | + | + |
| <i>Salix brachycarpa</i> | | | | | | | 1b | + | + |
| <i>Salix pulchra</i> | | | | | | + | | + | + |
| <i>Spiraea beauverdiana</i> | | | | | | + | | 1a | 1a |

Differential taxa for latitudinal nonacidic treeline: *Picea mariana/Salix reticulata/Dryas octopetala* subtype

| | | | |
|---------------------------------|----|----|----|
| <i>Tomenthypnum nitens</i> | 2b | 3 | 1b |
| <i>Potentilla fruticosa</i> | + | + | 1a |
| <i>Saussurea angustifolia</i> | 1a | + | + |
| <i>Andromeda polifolia</i> | + | + | + |
| <i>Salix reticulata</i> | | 1b | 1b |
| <i>Equisetum arvense</i> | | 1b | + |
| <i>Dryas octopetala</i> | | 1a | + |
| <i>Carex coccinea</i> | + | + | |
| <i>Equisetum scirpoides</i> | + | + | |
| <i>Parnassia palustris</i> | + | + | |
| <i>Plantanthera obtusata</i> | + | | + |
| <i>Ranunculus lapponicus</i> | + | + | |
| <i>Spiranthes romanzoffiana</i> | | + | + |

Non-differential taxa restricted to *Picea mariana*/*Loiseleuria procumbens*/*Cetraria nivalis* subtype

| | | | | | | | | | |
|----------------------------------|--|--|--|----|---|---|----|---|---|
| <i>Cladonia coccifera</i> | | | | + | r | | | | |
| <i>Cladonia crispata</i> | | | | | + | + | | | |
| <i>Dicranum elongatum</i> | | | | | | | 1a | | + |
| <i>Epilobium angustifolium</i> | | | | | | + | | | + |
| <i>Linnaea borealis</i> | | | | 1b | r | | | | |
| <i>Nephroma expallidum</i> | | | | | | r | r | | |
| <i>Petasites frigidus</i> | | | | | | | + | | + |
| <i>Populus tremuloides</i> | | | | 1a | | r | | | |
| <i>Ptilium crista-castrensis</i> | | | | + | | | | + | |
| <i>Rhytidium rugosum</i> | | | | 1a | | | + | | |
| <i>Sanionia uncinata</i> | | | | | | | + | | + |

Constant Taxa

| | | | | | | | | | |
|------------------------------|----|----|----|----|----|----|----|----|----|
| <i>Empetrum nigrum</i> | + | + | 1a | 1a | 1a | 2b | + | + | + |
| <i>Picea mariana</i> | 4 | 4 | 3 | 2b | 2b | 3 | + | 2a | 2a |
| <i>Pleurozium schreberi</i> | + | + | + | 1a | 3 | 2a | 3 | 3 | 1b |
| <i>Vaccinium uliginosum</i> | 1a | + | 1a | + | 2a | 1a | 1b | 1a | 1a |
| <i>Cetraria islandica</i> | 1a | + | 1a | | + | + | + | + | + |
| <i>Cladina arbuscula</i> | 2b | 2b | 2b | 2b | 2b | | + | + | + |
| <i>Hylocomium splendens</i> | 4 | 3 | 1b | 2a | + | | 1a | 2a | 2a |
| <i>Ledum groenlandicum</i> | 2a | 2b | + | + | + | + | | 1a | + |
| <i>Vaccinium vitis-idaea</i> | + | + | | + | + | 1b | 1a | + | + |
| <i>Carex bigelowii</i> | 1a | + | | | + | r | 2a | 1b | 4 |
| <i>Cetraria cucullata</i> | + | | | 1b | + | 1a | 1b | + | + |
| <i>Picea glauca</i> | | | 3 | + | + | + | 1a | 2a | 1b |

Non-differential taxa occurring throughout the treeline type

| | | | | | | | | | |
|-----------------------------|---|----|---|----|---|----|---|---|--|
| <i>Arctostaphylos rubra</i> | + | 1a | + | + | + | 1a | | | |
| <i>Betula nana</i> | + | | 4 | 1a | 4 | | 3 | 4 | |

| | | | | | | |
|--|----|----|---|---|----|----|
| <i>Cladina stellaris</i> | | + | + | + | + | 1a |
| <i>Aulacomnium palustre</i> | + | 2a | + | | | |
| <i>Calamagrostis canadensis</i> | 2a | 1a | | + | | |
| <i>Peltigera aphthosa</i> | | | + | | + | + |
| <i>Betula glandulosa</i> | | + | | | | 2b |
| <i>Cladonia cornuta</i> | | | + | + | | + |
| <i>Dicranum bergeri</i> | 2a | | + | + | | |
| <i>Geocaulon lividum</i> | | + | + | + | | + |
| <i>Peltigera scabrosa</i> | | | + | | + | |
| <i>Cladina stygia</i> | | + | + | | 2b | |
| <i>Dryas integrifolia</i> | | 1a | + | | | |
| <i>Peltigera aphthosa/leucophlebia</i> | r | + | | + | | |
| <i>Salix scouleriana</i> | 1a | | | + | + | |
| <i>Stellaria longipes</i> | | | r | + | | |
| <i>Aulacomnium turgidum</i> | + | | | | | |
| <i>Betula papyrifera</i> | + | | | | | |
| <i>Cladonia pyxidata</i> | | | r | + | | |
| <i>Dicranum acutifolium</i> | | + | | | | |
| <i>Dicranum spadicum</i> | | | + | | | |
| <i>Eriophorum vaginatum</i> | | 1a | | | + | |
| <i>Peltigera leucophlebia</i> | | | + | | | |
| <i>Peltigera malacea</i> | + | | | + | | |
| <i>Rubus chamaemorus</i> | | + | | | | |
| <i>Sphagnum russowii</i> | 1a | | | | | |
| unknown lichen #1 | | | + | + | | |

Single Occurrence taxa

| | | |
|--------------------------------|--------------------------------------|--------------------------------|
| <i>Achillea millefolium</i> | <i>Cladonia gracilis ssp turbina</i> | <i>Petasites hyperboreus</i> |
| <i>Agrostis borealis</i> | <i>Cladonia gracilis ssp vulnera</i> | <i>Poa arcticus</i> |
| <i>Agrostis scabra</i> | <i>Cladonia phyllophora</i> | <i>Polygonum alaskanum</i> |
| <i>Alectoria ochroleuca</i> | <i>Cladonia pleurota</i> | <i>Polygonum viviparum</i> |
| <i>Amerorchic rotundifolia</i> | <i>Cladonia sulphurina</i> | <i>Polytrichum piliferum</i> |
| <i>Anemone multifida</i> | <i>Cypripedium passerinum</i> | <i>Ptilidium ciliare</i> |
| <i>Arnica alpina</i> | <i>Dactylina arctica</i> | <i>Pyrola grandiflora</i> |
| <i>Aster sibiricus</i> | <i>Delphinium glaucum</i> | <i>Rosa acicularis</i> |
| <i>Brycaulon divergens</i> | <i>Festuca rubra</i> | <i>Masonhalea richardsonii</i> |
| <i>Campanula lasiocarpa</i> | <i>Galium boreale</i> | <i>Minuartia dawsonensis</i> |
| <i>Carex crawfordii</i> | <i>Hedysarum alpinum</i> | <i>Moehringia lateriflora</i> |
| <i>Carex scapoidea</i> | <i>Hierochloe alpina</i> | <i>Oxycoccus microcarpus</i> |
| <i>Carex sp.</i> | <i>Hypnum bambergeri</i> | <i>Pedicularis langdorffii</i> |
| <i>Carex vaginata</i> | <i>Hypnum plicatum</i> | <i>Peltigera canina</i> |
| <i>Chamaedaphne calyculata</i> | <i>Icmadophila ericetorum</i> | <i>Peltigera polydactyla</i> |
| <i>Cladonia amaurocraea</i> | <i>Lobaria linita</i> | <i>Peltigera rufescens</i> |
| <i>Cladonia cenotea</i> | <i>Luzula multiflora</i> | <i>Rubus arcticus</i> |

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- Salix fuscescens*
- Salix glauca*
- Salix polaris*
- Sanguisorba officinalis*
- Senecio lugens*
- Solidago multiradiata*
- Sphagnum balticum*
- Sphagnum capillifolium*
- Sphagnum girgensohnii*
- Sphagnum rubellum*
- Sphagnum warnstorffii*
- Stereocaulon alpinum*
- unknown graminoid
- Vaccinium uliginosum ssp. microphyllum*

Cladonia cyanipes
Cladonia fimbriata
Cladonia furcata

Lycopodium clavatum
Lycopodium complantum
Lycopodium dendroideum

Rubus idaeus
Rumex arcticus
Salix arctica