



Forestry and  
Land Scotland  
Coilltearachdagus  
Fearann Alba

# Alyth Den Beech Survey

2019

**Estimates for Mill and Fire Wood**

# Alyth Den Beech Survey

## Beech Survey at Alyth Den August 2019

Trees marked with yellow paint spot with trees numbered with orange paint Beech Surveyed trees ( Except 3 trees orange numbers only not on original survey)

Trees marked with yellow dot only Lime trees

Trees marked with green spot dangerous trees

Two trees by Burnside missed see map for details

## Method for calculations

**Tree Volume** Taken 7cm as timber TH and from Chart 14 Single Tree Tariff Chart Beech from Forest Mensuration (Blue Book) Take DBH & TH to work out tariff No.

Then From Table 46 Volume (m3) Overbark Chart work out volume from DBH and Tariff No

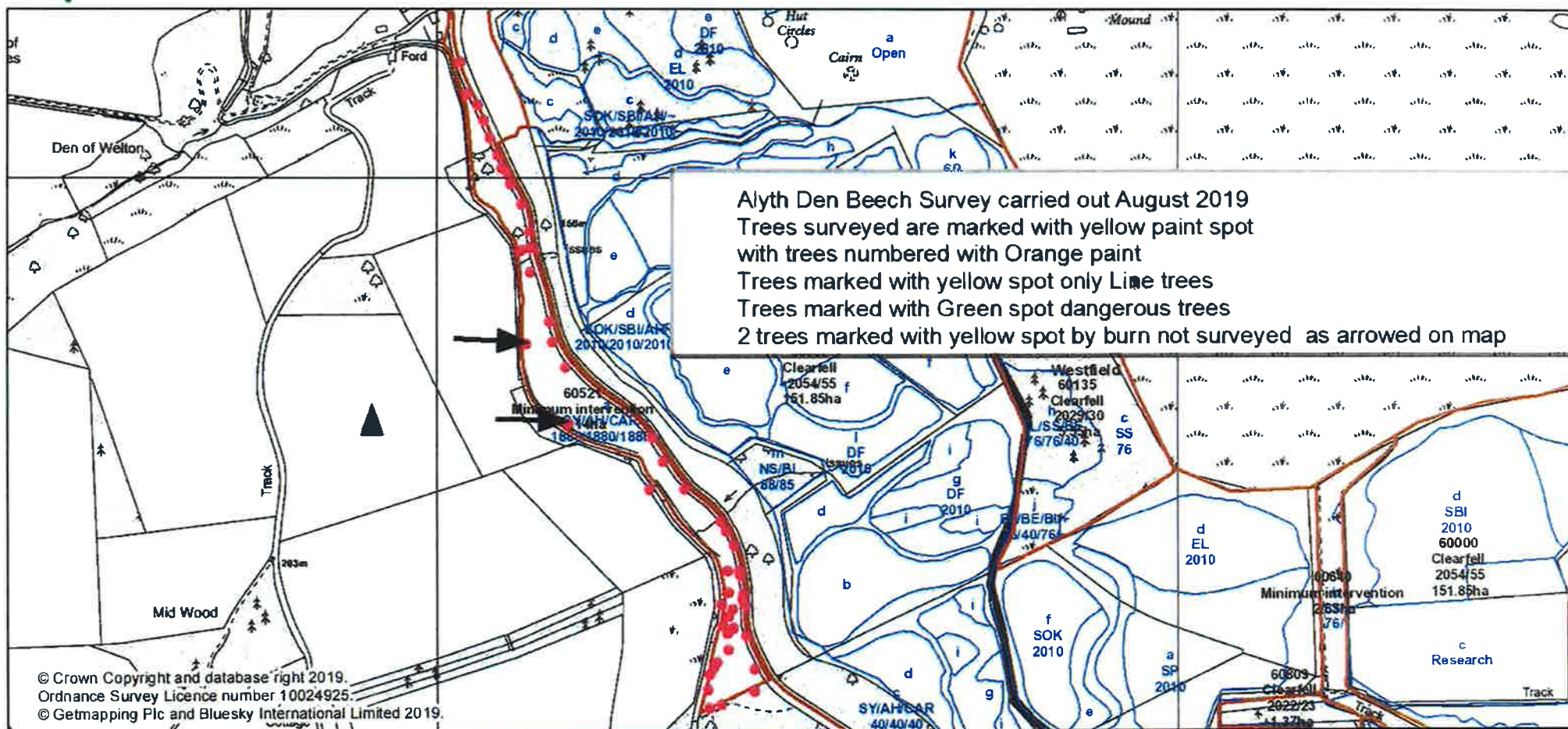
Mill wood volume used Chart 41 Round wood Volume (m3) Mid Diameter I have deducted 15% from the DBH for rough midpoint diameter

This is a very rough and to be used as a guide to volume on site



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#### Legend

- AlythDenBeech0
- Management Coupes
- Sub-compartment
- Forest Roads
- Blocks
- Blocks

#### Alyth Den Beech Survey

Author: Neil McCormack

Scale @ A4: 1:7,500

Date: 29/08/2019



Scotland's National  
Forest Estate is  
responsibly managed to  
the UK Woodland  
Assurance Standard



# Alyth Den Beech Survey August 2019

## Fire Wood Trees

| Tree Count | Tree No. | Tree Comment      | Location   | Use       | DBH | Mill TH | 7cm TH | Tariff No | Volume | TH   | Comments                                |
|------------|----------|-------------------|------------|-----------|-----|---------|--------|-----------|--------|------|-----------------------------------------|
| 1          | 55       | Beech             | Road Side  | Fire Wood | 39  |         | 15.9   | 33        | 1.20   | 19.7 |                                         |
| 2          | 56       | Beech             | Road Side  | Fire Wood | 28  |         | 9.9    | 24        | 0.44   | 13.5 | Twisted 3m ?                            |
| 3          | 57       | Beech 3 stems     | Road Side  | Fire Wood | 11  |         | 4.0    | 15        | 0.32   | 10.0 | Small Cut to waste ?                    |
| 4          | 57       | Beech 3 stems     | Road Side  | Fire Wood | 10  |         | 4.0    | 15        | 0.32   | 10.0 | Small Cut to waste ?                    |
| 5          | 57       | Beech 3 stems     | Road Side  | Fire Wood | 9   |         | 4.0    | 15        | 0.32   | 10.0 | Small Cut to waste ?                    |
| 6          | 58       | Beech Double Stem | Road Side  | Fire Wood | 18  |         | 8.2    | 22        | 0.15   | 16.1 | Multistem                               |
| 7          | 59       | Beech Double Stem | Road Side  | Fire Wood | 17  |         | 8.0    | 21        | 0.13   | 12.0 | Multistem                               |
| 8          | 60       | Beech             | Road Side  | Fire Wood | 15  |         | 6.1    | 19        | 0.09   | 10.1 |                                         |
| 9          | 61       | Beech             | Internal   | Fire Wood | 30  |         | 10.2   | 25        | 0.43   | 15.7 |                                         |
| 10         | 63       | Beech Large Tree  | Internal   | Fire Wood | 57  |         | 16.1   | 31        | 2.45   | 24.2 | Twisted Double Fused Has Branch Hung up |
| 11         | 67       | Beech Double Stem | Internal   | Fire Wood | 48  |         | 10.7   | 25        | 1.39   | 18.6 | Twisted Not Marked by Yellow Paint      |
| 12         | 69       | Beech Double Stem | Road Side  | Fire Wood | 34  |         | 10.8   | 25        | 0.69   | 17.2 | Smaller Stem                            |
| 13         | 70       | Beech 3 Stems     | Road Side  | Fire Wood | 30  |         | 9.0    | 22        | 0.47   | 14.9 | Multi Stemmed                           |
| 14         | 70       | Beech 3 Stems     | Road Side  | Fire Wood | 14  |         | 5.0    | 16        | 0.06   | 12.0 | Multi Stemmed                           |
| 15         | 70       | Beech 3 Stems     | Road Side  | Fire Wood | 21  |         | 5.0    | 16        | 0.16   | 10.0 | Multi Stemmed                           |
| 16         | 71       | Beech             | Road Side  | Fire Wood | 34  |         | 13.3   | 29        | 0.80   | 20.3 |                                         |
| 17         | 72       | Beech Double Stem | Road Side  | Fire Wood | 41  |         | 13.3   | 29        | 1.17   | 18.6 | Split Stem                              |
| 18         | 76       | Beech             | Road Side  | Fire Wood | 45  |         | 15.2   | 31        | 1.51   | 19.8 | Twisted                                 |
| 19         | 77       | Beech Double Stem | Road Side  | Fire Wood | 38  |         | 12.3   | 28        | 0.97   | 18.6 | Limb Rot -Split                         |
| 20         | 77       | Beech Double Stem | Road Side  | Fire Wood | 20  |         | 6.7    | 19        | 0.17   | 6.7  | Snapped Top                             |
| 21         | 80       | Beech             | Road Side  | Fire Wood | 49  |         | 12.0   | 26        | 1.51   | 18.1 | Bent Stem Branchy                       |
| 22         | 81       | Beech             | Water side | Fire Wood | 45  |         | 12.6   | 27        | 1.32   | 17.9 | Partly Rotten Limb Dangerous            |
| 23         | 82       | Beech             | Road Side  | Fire Wood | 37  |         | 12.7   | 28        | 0.92   | 18.3 |                                         |
| 24         | 83       | Beech             | Road Side  | Fire Wood | 26  |         | 12.8   | 29        | 0.45   | 18.9 |                                         |
| 25         | 85       | Beech 4 Stem      | Road Side  | Fire Wood | 32  |         | 16.2   | 33        | 0.80   | 20.7 | Multistem                               |
| 26         | 85       | Beech 4 Stem      | Road Side  | Fire Wood | 17  |         | 12.0   | 28        | 0.17   | 24.7 | Multistem Twisted                       |
| 27         | 85       | Beech 4 Stem      | Road Side  | Fire Wood | 16  |         | 12.0   | 28        | 0.15   | 19.0 | Multistem                               |
| 28         | 85       | Beech 4 Stem      | Road Side  | Fire Wood | 34  |         | 12.6   | 26        | 0.71   | 20.0 | Multistem Double Stem Fused             |
| 29         | 86       | Beech Double Stem | Road Side  | Fire Wood | 23  |         | 10.1   | 25        | 0.30   | 15.3 |                                         |
| 30         | 86       | Beech Double Stem | Road Side  | Fire Wood | 23  |         | 12.3   | 29        | 0.35   | 16.7 |                                         |



| Tree Count         | Tree No. | Tree Comment        | Location  | Use       | DBH   | Mill TH | 7cm TH | Tariff No | Volume | TH    | Comments                                 |
|--------------------|----------|---------------------|-----------|-----------|-------|---------|--------|-----------|--------|-------|------------------------------------------|
| 31                 | 87       | Beech               | Road Side | Fire Wood | 24    |         | 11.4   | 28        | 0.37   | 18.7  |                                          |
| 32                 | 89       | Beech Large 4 Stems | Road Side | Fire Wood | 86    |         | 19.5   | 30        | 3.20   | 23.3  | 4 Stems Fused unable to measure estimate |
| 33                 | 91       | Beech               | Road Side | Fire Wood | 22    |         | 10.4   | 25        | 0.27   | 17.9  |                                          |
| 34                 | 92       | Beech 3 Stems       | Road Side | Fire Wood | 21    |         | 13.6   | 29        | 0.28   | 19.2  | 3 Stemmed Crown                          |
| 35                 | 92       | Beech 3 Stems       | Road Side | Fire Wood | 21    |         | 13.6   | 29        | 0.28   | 19.2  | 3 Stemmed Crown                          |
| 36                 | 92       | Beech 3 Stems       | Road Side | Fire Wood | 20    |         | 13.6   | 28        | 0.25   | 19.2  | 3 Stemmed Crown                          |
| 37                 | 93       | Beech               | Road Side | Fire Wood | 43    |         | 14.8   | 29        | 1.29   | 24.0  |                                          |
| 38                 | 94       | Beech               | Road Side | Fire Wood | 12    |         | 5.0    | 16        | 0.04   | 11.0  |                                          |
| 39                 | 95       | Beech               | Road Side | Fire Wood | 14    |         | 5.0    | 17        | 0.07   | 10.0  |                                          |
| 40                 | 96       | Beech Double Stem   | Road Side | Fire Wood | 15    |         | 7.0    | 20        | 0.09   | 12.0  | Double Stem                              |
| 41                 | 96       | Beech Double Stem   | Road Side | Fire Wood | 15    |         | 6.0    | 18        | 0.08   | 11.0  | Double Stem                              |
| 42                 | 97       | Beech               | Road Side | Fire Wood | 21    |         | 6.4    | 19        | 0.19   | 12.0  |                                          |
| 43                 | 98       | Beech Double Stem   | Road Side | Fire Wood | 20    |         | 5.8    | 19        | 0.17   | 10.3  | Double Stem                              |
| 44                 | 98       | Beech Double Stem   | Road Side | Fire Wood | 27    |         | 6.4    | 19        | 0.32   | 12.0  | Double Stem                              |
| 45                 | 99       | Beech               | Road Side | Fire Wood | 32    |         | 8.5    | 22        | 0.53   | 12.1  |                                          |
| 46                 | 100      | Beech               | Road Side | Fire Wood | 30    |         | 9.5    | 23        | 0.49   | 13.7  |                                          |
| 47                 | 101      | Beech 3 Stems       | Road Side | Fire Wood | 15    |         | 8.9    | 23        | 0.11   | 13.3  | Multistem                                |
| 48                 | 101      | Beech 3 Stems       | Road Side | Fire Wood | 16    |         | 8.9    | 23        | 0.12   | 13.3  | Multistem                                |
| 49                 | 101      | Beech 3 Stems       | Road Side | Fire Wood | 14    |         | 8.9    | 23        | 0.09   | 13.3  | Multistem                                |
| 50                 | 102      | Beech Double Stem   | Road Side | Fire Wood | 34    |         | 7.5    | 20        | 0.63   | 12.8  | Multistem                                |
| 51                 | 102      | Beech Double Stem   | Road Side | Fire Wood | 27    |         | 7.5    | 20        | 0.34   | 12.8  | Multistem                                |
| 52                 | 103      | Beech               | Road Side | Fire Wood | 17    |         | 6.3    | 18        | 0.11   | 11.4  |                                          |
| 53                 | 105      | Beech               | Internal  | Fire Wood | 34    |         | 13.5   | 29        | 0.80   | 21.0  |                                          |
| 54                 | 107      | Beech 3 Stems       | Internal  | Fire Wood | 44    |         | 17.2   | 32        | 1.49   | 24.8  | Rot and Cracked Lower Stem Multistem     |
| 55                 | 107      | Beech 3 Stems       | Internal  | Fire Wood | 38    |         | 14.4   | 30        | 1.04   | 19.8  | Multistem                                |
| 56                 | 107      | Beech 3 Stems       | Internal  | Fire Wood | 29    |         | 12.0   | 28        | 0.55   | 17.0  | Multistem                                |
| 57                 | 108      | Beech               | Internal  | Fire Wood | 37    |         | 12.1   | 28        | 0.92   | 19.2  |                                          |
| 58                 | 110      | Beech               | Internal  | Fire Wood | 18    |         | 5.5    | 17        | 0.12   | 13.0  | Unmarked with Yellow Paint               |
| 59                 | 111      | Beech               | Internal  | Fire Wood | 46    |         | 16.5   | 32        | 1.63   | 21.3  |                                          |
| 60                 | 113      | Beech               | Internal  | Fire Wood | 14    |         | 6.0    | 18        | 0.07   | 12.0  |                                          |
| 61                 | 114      | Beech               | Internal  | Fire Wood | 25    |         | 8.2    | 22        | 0.32   | 13.2  |                                          |
| Average DBH & TH's |          |                     |           |           | 27.74 |         | 10.21  |           | 0.59   | 15.92 |                                          |
| Total DBH & TH's   |          |                     |           |           | 1692  |         | 622.9  |           | 36.17  |       |                                          |

# Alyth Den Beech Survey August 2019

## Mill Wood Trees

| Tree Count         | Tree No     | Tree Comment           | Location  | Use    | DBH  | Mill TH | Mill Vol | 7cm TH | Fire Vol. | Tariff No | Total Volume | TH                                        | Comments                                |
|--------------------|-------------|------------------------|-----------|--------|------|---------|----------|--------|-----------|-----------|--------------|-------------------------------------------|-----------------------------------------|
| 1                  | 54          | Beech Large Tree       | Road Side | Mill   | 90   | 5.2     | 2.42     | 19.2   | 3.53      | 30        | 5.95         | 24.6                                      | Mature Tree                             |
| 2                  | 62          | Beech Large Split Stem | Internal  | Mill   | 85   | 6.7     | 2.73     | 14.5   | 1.98      | 26        | 4.71         | 21.3                                      | Est DBH On Edge Steep Bank              |
| 3                  | 65          | Beech Split            | Internal  | Mill   | 50   | 5.7     | 0.83     | 15.4   | 0.99      | 30        | 1.82         | 22.0                                      | Possible Nest in Tree                   |
| 4                  | 72          | Beech Double Stem      | Road Side | Mill   | 46   | 5.5     | 0.66     | 15.8   | 0.87      | 30        | 1.53         | 21.1                                      | Split Stem                              |
| 5                  | 73          | Beech                  | Road Side | Mill   | 48   | 6.6     | 0.87     | 16.9   | 0.91      | 32        | 1.78         | 23.0                                      |                                         |
| 6                  | 74          | Beech                  | Road Side | Mill   | 40   | 5.0     | 0.48     | 13.0   | 0.59      | 28        | 1.07         | 18.2                                      |                                         |
| 7                  | 75          | Beech                  | Road Side | Mill   | 41   | 3.0     | 0.29     | 15.4   | 0.96      | 31        | 1.25         | 21.2                                      |                                         |
| 8                  | 78          | Beech                  | Road Side | Mill   | 49   | 2.6     | 0.36     | 13.6   | 1.32      | 29        | 1.68         | 18.2                                      |                                         |
| 9                  | 79          | Beech                  | Road Side | Mill   | 39   | 5.2     | 0.45     | 14.6   | 0.65      | 30        | 1.09         | 20.1                                      |                                         |
| 10                 | 84          | Beech                  | Road Side | Mill   | 39   | 5.7     | 0.49     | 15.1   | 0.64      | 31        | 1.13         | 20.7                                      | Twisted Dead Ash Round Tree             |
| 11                 | 88          | Beech Large            | Road Side | Mill   | 61   | 7.0     | 1.49     | 16.4   | 1.23      | 30        | 2.72         | 21.0                                      |                                         |
| 12                 | 90          | Beech                  | Road Side | Mill   | 49   | 6.8     | 0.94     | 16.3   | 0.86      | 31        | 1.80         | 21.6                                      | Straight Stem                           |
| 13                 | 104         | Beech                  | Internal  | Mill   | 44   | 5.0     | 0.54     | 12.2   | 0.72      | 27        | 1.26         | 17.7                                      |                                         |
| 14                 | 106         | Beech                  | Internal  | Mill   | 63   | 3.0     | 0.69     | 12.0   | 1.73      | 25        | 2.42         | 16.3                                      |                                         |
| 15                 | 109         | Beech Large            | Internal  | Mill   | 76   | 4.4     | 1.42     | 18.6   | 3.11      | 32        | 4.52         | 25.4                                      |                                         |
| 16                 | 112         | Beech                  | Internal  | Mill   | 52   | 7.8     | 1.19     | 17.6   | 0.91      | 32        | 2.10         | 21.9                                      |                                         |
| 17                 | 69          | Beech Double Stem      | Road Side | Mill   | 58   | 6.9     | 1.30     | 17.8   | 1.32      | 32        | 2.62         | 23.2                                      | Multi Stem                              |
| 18                 | 62          | Beech Large Split Stem | Internal  | Mill ? | 49   | 7.7     | 1.07     | 12.5   | 0.50      | 27        | 1.57         | 20.0                                      | On Edge Steep Bank Twisting             |
| 19                 | 64          | Beech Large            | Internal  | Mill ? | 90   | 6.3     | 2.93     | 18.1   | 2.82      | 29        | 5.75         | 27.1                                      |                                         |
| 20                 | 66          | Beech Double Stem      | Internal  | Mill ? | 47   | 3.0     | 0.38     | 13.9   | 1.06      | 27        | 1.44         | 19.6                                      | 3m Mill able Not Marked by Yellow Paint |
| 21                 | 68          | Norway Spruce          | Internal  | Timber | 70   |         |          |        |           | 17        | 2.03         | 25.9                                      |                                         |
| Average DBH & TH's |             |                        |           |        | 56.5 | 5.46    |          | 15.45  | 1.34      |           | 2.39         | 21.43                                     |                                         |
| Total DBH & TH's   |             |                        |           |        | 1186 | 109.1   | 21.5     |        | 26.71     |           | 50.24        |                                           |                                         |
|                    |             |                        |           |        |      |         |          |        |           |           |              |                                           |                                         |
| Unmarked           | Beech Large | Internal               | Mill      | 72     | 6.7  | 1.96    | 20       | 2.22   | 33        | 4.18      | 24.7         | On top of Boundary Wall Requires Decision |                                         |
| Unmarked           | Beech Large | Internal               | Mill ?    | 82     | 8    | 3.08    | 20.8     | 2.35   | 33        | 5.43      | 24.7         | On top of Boundary Wall Requires Decision |                                         |