

Sustainability at the heart of a living, working, active landscape valued by everyone.





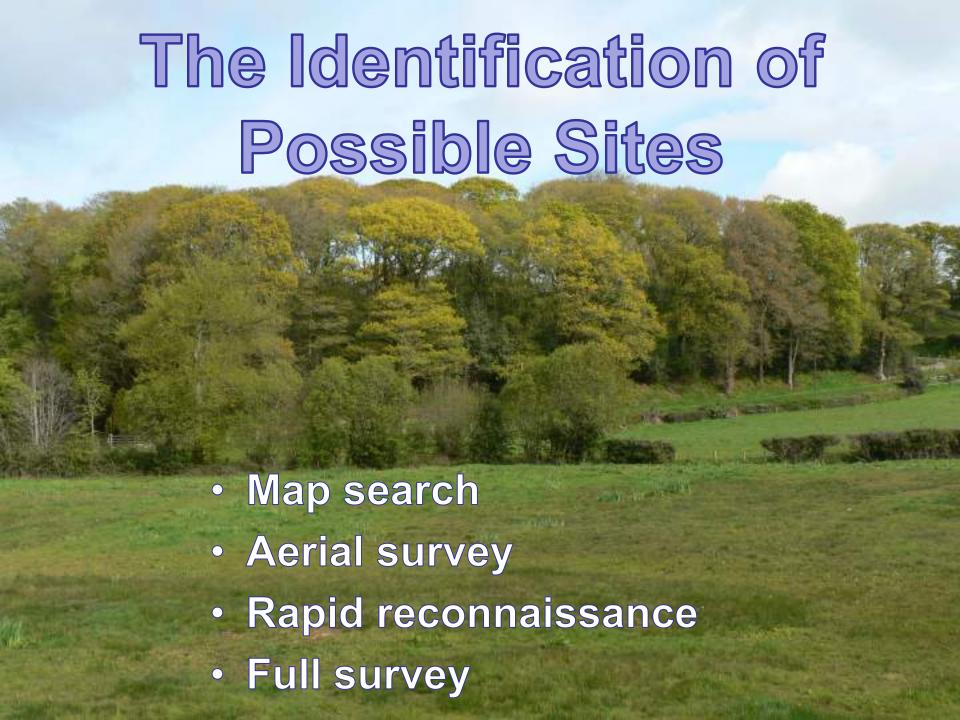


Presentation Content

- Protected woodlands in Northern Ireland
- 22 years of assessing their condition
- What we found and what we did
- What we have learnt be flexible and adapt to changes in knowledge and pressures
- Future threats and the unknown!

Areas of Special Scientific Interest (ASSIs) Aims of designation

- Protect the top-quality sites for nature conservation
- Include an adequate representation of the range of woodland habitats and their most vulnerable/threatened features



| NORTHERN IRELAND WOODLAND ASSESSMENT TABLE | | | | | | | | | | | | | |
|--|-------------------|----------|----------|---------|--------|------------------------|-----------|------------|----------|----------|------------------------|-----------|-------|
| ASSESSIVIENT TABLE | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| OUMMARY TARLE FOR ORFORDIN | | | | | | POSITIVE | | | | | NEO ATIVE | | |
| SUMMARY TABLE FOR SPERRIN WOODS | | | | | | WOODLAND ATTRIBUTES | | | | | NEGATIVE ATTRIBUTES | | |
| | | | | | | | | | | | | | |
| NAME | STATUS | SIZE | SIZE | SPECIES | RARITY | COMMUNITY | HABITAT | STRUCTURAL | POSITIVE | EXOTICS | DISTURBANCE | NEGATIVE | TOTAL |
| TV WILL | 0111100 | AREA | SCORE | INDIC | SCORE | DIVERSITY | DIVERSITY | DIVERSITY | SCORE | EXCITO | 5.0.0.0.0.0.0.0.0 | SCORE | SCORE |
| Banagher Glen | ASSI/cSAC | 74.8 | 24 | 111 | 3 | 20 | 11 | 15 | 184 | -6 | -12 | -18 | 166 |
| | | | | | | | | | | | | | |
| Owenkillew and Glenelly Woods* | ASSI/cSAC | 39 | 16 | 115 | 4 | 17 | 10 | 14 | 176 | -13 | -11 | -24 | 152 |
| Altmover Glen | ASSI | 27 | 14 | 100 | 0 | 11 | 10 | 14 | 149 | -1 | -2 | -3 | 146 |
| Errigal Glen | ASSI | 11 | 10 | 97 | 20 | 16 | 8 | 15 | 166 | -17 | -1 | -3 | 145 |
| Fury Water Woods | 4001 | 38 | 16 | 110 | 0 | 15 | 7 | 10 | 158 | -2 | -12 | -14 | 144 |
| Silverbrook Wood | ASSI | 14 | 11 | 108 | 4 | 11 | 7 | 15 | 156 | -5 | -8 | -13 | 143 |
| Crockaghole | ASSI | 5.32 | 5 | 100 | 0 | 15 | 10 | 12 | 142 | 0 | -5 | -5 | 137 |
| Bond's Glen | ASSI | 20 | 12 | 103 | 6 | 12 | 8 | 15 | 156 | -4 | -16 | -20 | 136 |
| Corbylin Wood | ASSI | 20 | 12 | 94 | 1 | 12 | 8 | 14 | 144 | -5 | -5 13 | -10 | 134 |
| Aghanloo | ASSI/cSAC | 50 32 | 18 | 103 | | 13 | 7 | 13 | 156 | -11 0 | -12 | -23 | 133 |
| Drumlea & Mullan Woods | ASSI/CSAC ASSI | 18 | 15 | 90 | 2 | 15 10 | 11 | 11 | 138 | -9 | -6 -1 | -6 -10 | 132 |
| Ness Wood Strabane Glen | ASSI | 12 | 12 11 | 89 | 4 | 10 | 12 | 13 | 139 | -4 | -8 | -10 | 131 |
| Glenmore Wood | ASSI | 12 | 11 | 87 | 2 | 14 | 8 | 10 | 132 | -3 | -4 | -12 | 125 |
| Umbra Wood | AGGI | 31 | 15 | 92 | 3 | 13 | 11 | 12 | 146 | -16 | -5 | -21 | 125 |
| Ervey Wood | ASSI | 25 | 13 | 92 | 0 | 10 | 10 | 15 | 140 | -12 | -11 | -23 | 117 |
| Sloughan Glen | ASSI | 4.5 | 5 | 91 | 6 | 15 | 10 | 12 | 139 | -10 | -14 | -24 | 115 |
| Grange Wood | ASSI | 9 | 9 | 95 | 2 | 8 | 3 | 9 | 125 | -2 | -9 | -11 | 114 |
| Whitewater Wood | | 15 | 11 | 89 | 2 | 14 | 7 | 9 | 132 | -4 | -19 | -23 | 109 |
| Gorticashel Wood (1)* | ASSI/cSAC | 1.8 | 2 | 76 | 2 | 7 | 5 | 14 | 106 | -1 | -1 | -2 | 104 |
| Knockadoo Wood | ASSI | 7 | 7 | 82 | 0 | 9 | 4 | 10 | 112 | -3 | -2 | -10 | 102 |
| Cappagh Burn Wood | | 6 | 6 | 87 | 0 | 10 | 6 | 11 | 120 | -9 | -10 | -19 | 101 |
| Drummenagh Wood | | 13 | 10 | 85 | 0 | 9 | 2 | 10 | 116 | -1 | -16 | -17 | 99 |
| Boorin Wood | ASSI | 16 | 12 | 67 | 0 | 14 | 3 | 10 | 106 | -5 | -4 | -9 | 97 |
| Ballykelly Wood | | 13 | 11 | 69 | 2 | 10 | 4 | 15 | 111 | -12 | -6 | -18 | 93 |
| Derryarkin Glen | | 8 | 8 | 76 | 0 | 11 | 4 | 13 | 112 | -6 | -14 | -20 | 92 |
| Curley River Wood | | 10 | 10 | 69 | 0 | 11 | 6 | 13 | 109 | -6 | -12 | -18 | 91 |
| Knockcloghrim Wood | | 14.17 | 11 | 72 | 0 | 6 | 4 | 8 | 101 | -10 | -6 | -16 | 85 |
| Glenlark Wood | | 10 | 10 | 60 | 2 | 8 | 9 | 10 | 99 | -1 | -15 | -16 | 83 |
| Old Mountjoy Wood | | 11 | 11 | 64 | 0 | 9 | 3 | 11 | 98 | -3 | -14 | -17 | 81 |
| Gorticashel Wood (2) * | ASSI/cSAC | 14 | 11 | 71 | 0 | 7 | 7 | 10 | 106 | -9 | -17 | -26 | 80 |
| Ryland's Burn Wood | | 7 | 7 | 69 | 0 | 10 | 5 | 10 | 101 | -10 | -12 | -22 | 79 |
| Labby Wood | | 8 | 8 | 62 | 0 | 10 | 3 | 9 | 92 | -3 | -13 | -16 | 76 |
| | | | | | | | | | | | | | |
| Kilcranny Wood (Bann Estuary) | ASSI/cSAC | 3.54 | 4 | 48 | 0 | 4 | 1 | 12 | 69 | -4 | -6 | -10 | 69 |
| Glensawisk Wood | | 8 | 8 | 52 | 0 | 7 | 3 | 5 | 75 | -1 | -9 | -10 | 65 |
| Altdoghal Wood | | 6 | 6 | 51 | 0 | 10 | 4 | 11 | 82 | -17 | -6 | -23 | 59 |
| Lagavadder Burn Wood | | 9 | 9 | 34 | 0 | 9 | 5 | 10 | 67 | -3 | -19 | -22 | 45 |

Woodland Features based upon Priority Habitats Oakwood Mixed Ashwoods Wet woodland Wood pasture and parkland





- Developed on base-rich soils
- NVC Type W9
- Canopy dominated by Ash
- Understorey Hazel and Goat Willow
- Ground flora "typical" woodland rich in spring-flowering species

Wet Woodlands

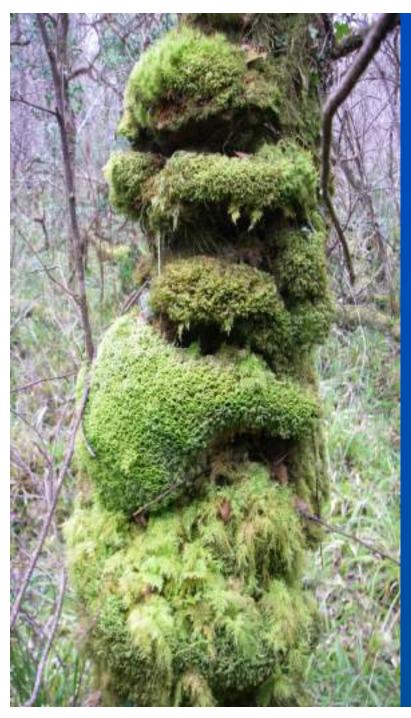
- Wet and waterlogged soils (acid to base-rich)
- NVC Types W1 W7
- Canopy dominated by Alder, Willows and Birch
- Understorey Willows, Guelder rose
- Ground flora very varied fen and swamp species; bog species; flush species

Wood Pasture and Parkland



- No specific community/NVC type
- Veteran and ancient trees that have grown in an open setting
- Hence open crown and plenty of light
- Rich associated species, including lichens, fungi and invertebrates





ASSIs & SACs

Woodland ASSIs

- Oakwoods
- Mixed ashwoods
- Wet woodland
- Wood pasture and parklands

36 designations

23 designations

13 designations

8 designations

Total of 80 ASSIs

Woodland SACs

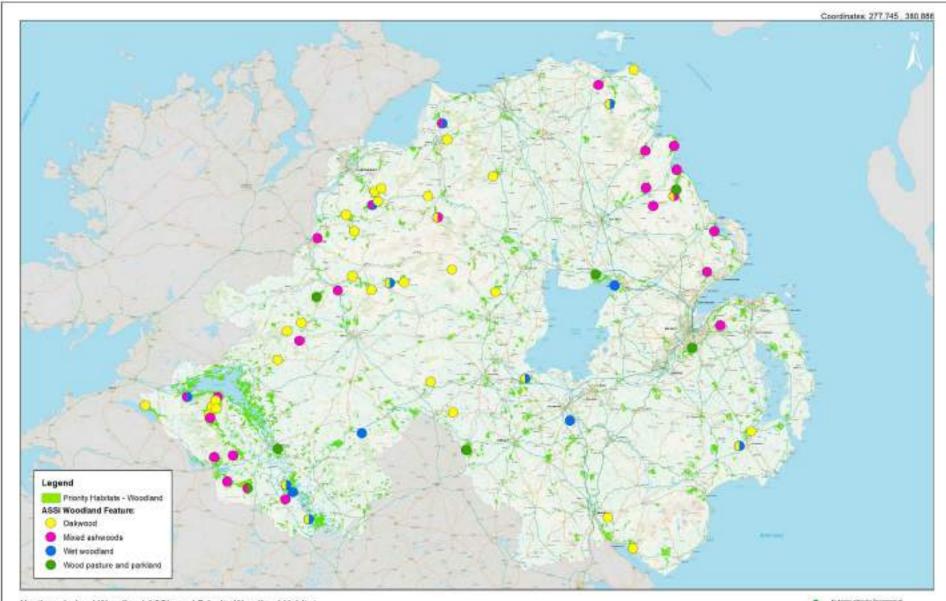
- Tilio-Acerion forests of slopes, screes and ravines
- Old sessile oakwoods & Blechnum in the British Isles
- Bog woodlands
- Alluvial forests with Alnus glutinosa and Fraxinus excelsior

13/36 of ASSIs 3/13 Wet woodlands 2/16 Wet woodlands

2/24 of ASSIs

Total of 20 SACs





Northern Ireland Woodland ASSIs and Priority Woodland Habitat

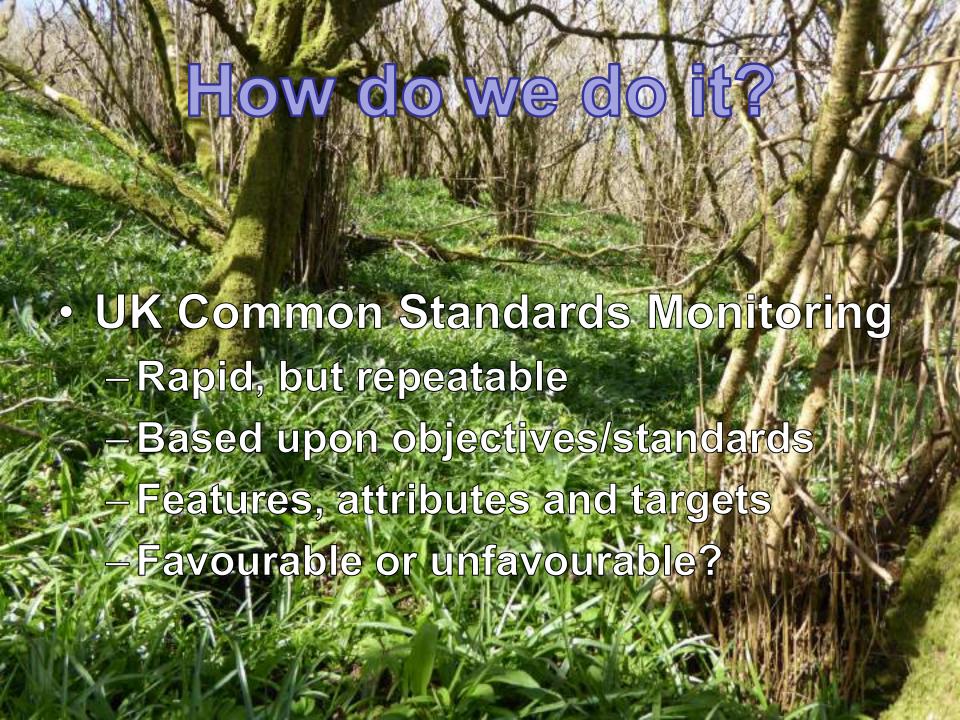




Condition Assessment

- why do we do it?

- Reporting
- Measuring targets
- Identifying threats and pressures
- Assessing the effectiveness of management – and making recommendations for the future





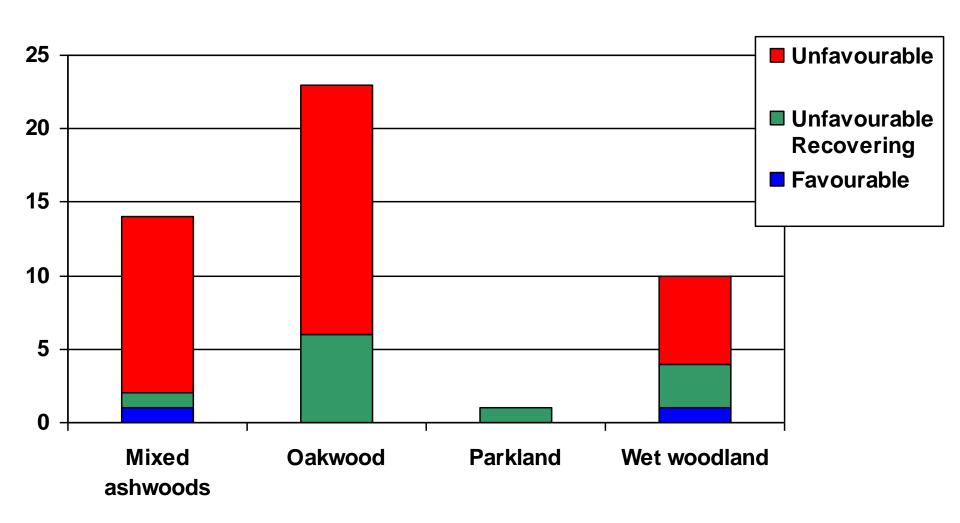




CONDITION ASSESSMENT

| Attributes | Measures | Targets | Result | Favourable/Unf avourable |
|---------------------------|---|---|-------------------------------|-----------------------------|
| * Area | Extent | No loss – maintain ashwood at ha | | |
| * Natural processes and | Structural Variation | Canopy cover 60% + | 72% | Favourable |
| structural development | | Shrub cover 25 -80% | 23 | Unfavourable |
| | | Field cover 20-60 % | 37 | Favourable |
| | | Herb cover 60%+ | 80 | Favourable |
| | | Moss cover 50%+ | 20 | Unfavourable |
| | Age-class variation | Young Trees (5- 20cm diameter) at least frequent in 75% of Plots | F– 40% O–30% R- 30% | Unfavourable |
| | | Mature Trees (20 - 75cm diameter) at least frequent in 90% of Plots | F – 60% O – 30% R – 10% | Unfavourable |
| | | Over-mature Trees (>75cm diameter) at least present in 10% of Plots | A – 100% | Unfavourable |
| | Presence of standing and fallen dead wood | Standing dead wood at least frequent | F – 40% O – 40% A – 20% | Favourable |
| | | Fallen dead wood at least frequent | F – 70% O – 10% A – 20% | Favourable |

The Condition of ASSI Woodland Features





How do we fix it?

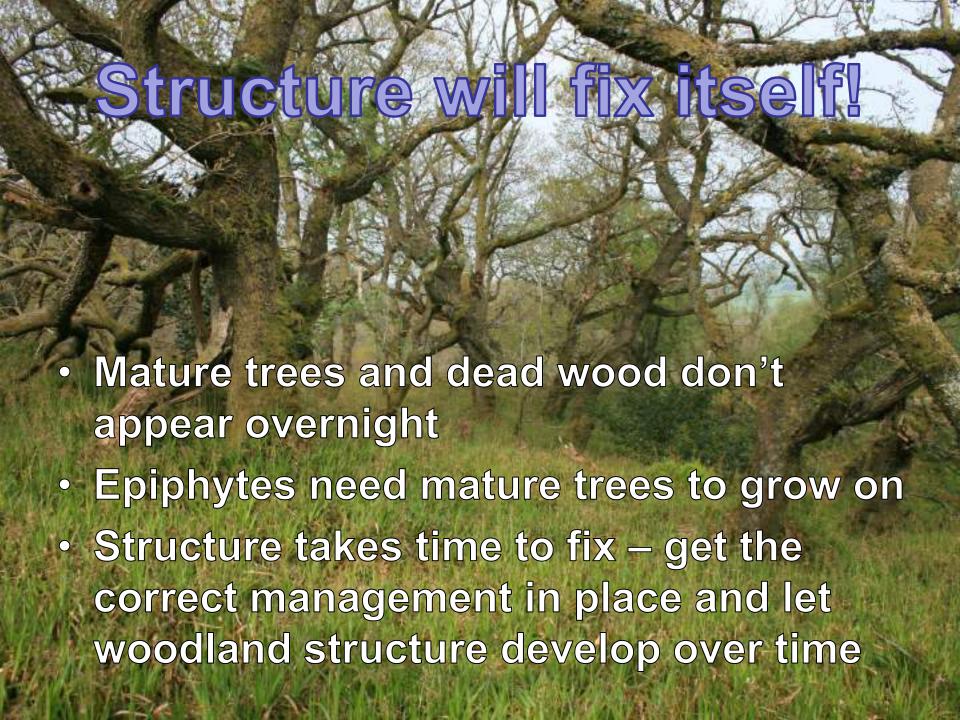
Regeneration/Grazing/Browsing

 Straightforward management recommendations













Ash die-back

Record

Look for resilient trees

Consider possible replacement species











Lessons learnt over 22 years

 Standard targets may <u>not</u> be appropriate - tailor targets to sites

Avoid being too prescriptive

 Be flexible and adapt to changes in knowledge and pressures





Sustainability at the heart of a living, working, active landscape valued by everyone.



