
THE RIGHT TREE IN THE RIGHT PLACE

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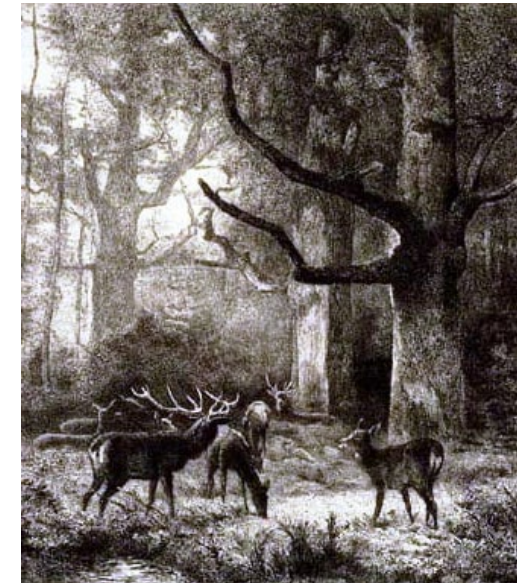
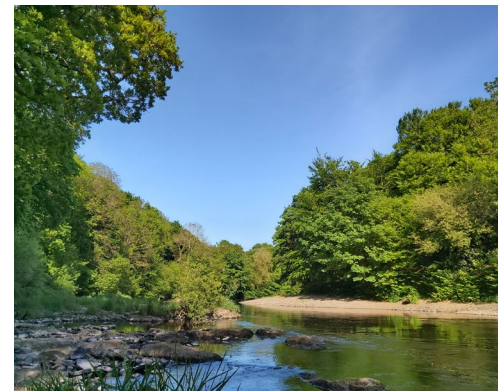


OVERVIEW

- Trees in the Irish Landscape
- Understanding the Environment & Context
- Considerations for Community Based Projects

INTRODUCTION

- Ireland once almost entirely covered (80%) in woodland.
- Landscape steeped in the cultural significance of trees.
 - Brehon Law
 - Myths & Folklore
 - Placenames
- Consistent decline over the last 6000yrs
 - Early agriculture,
 - Dutch Elm Disease & Bogs
 - Smelting Iron (1600s)
 - Expansion of the British Empire (1800s)
 - Only 1% remained at the turn of the 20th Century
 - State Afforestation & Commercial Forestry (11%)



DIVERSITY OF NATIVE TREES

Broadleaf – Oak, Ash, Alder, Birch, Hazel, Rowan, Holly etc.

Coniferous – Yew, Scots Pine, Juniper

Shrubs & Scrub – Willow (Sally), Hawthorn, Blackthorn, Elder, Spindle, Guelder Rose etc.





INTRODUCED TREES

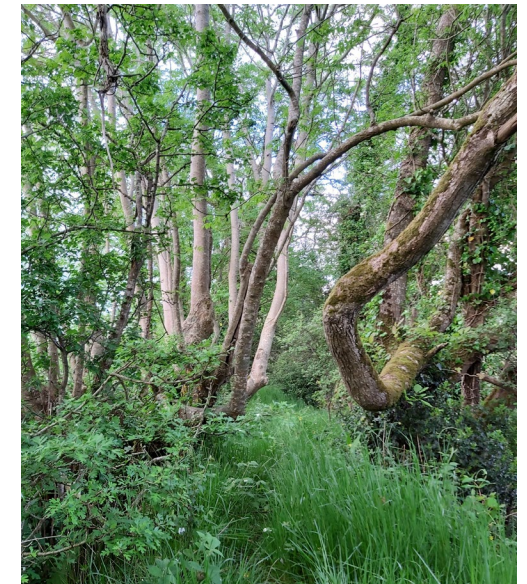
Streetscapes & Demesnes – Beech, Horse Chestnut, Sweet Chestnut, Lime, London Plane

Parks & Gardens – Sycamore, Maples, Laurel, Rhododendrons, Countless Exotic Varieties

Commercial Forestry – Sitka Spruce, Larch, Lodgepole Pine, Douglas Fir

SEEING THE WOOD FOR THE TREES

- Not all trees are equal
- Species assemblages
- Ecosystem functioning
- 21 different 'woodland' types in Ireland





How do I choose a tree?

WHAT IS THE OBJECTIVE?

- Aesthetic/Functionality
- Public Amenity
- Biodiversity & Ecosystem services
- Climate change
- All of the above?



CHOOSING TREES FOR SPECIFIC PURPOSE

- Screening & Privacy – Holly & Yew (Evergreen)
- Stock-proofing – Hawthorn, Blackthorn
- Revegetating eroding soils – Willow, Alder,
- Pollinators – Hawthorn, Blackthorn, Rowan
- Foraging – Elder, Hazel, Crab Apple
- Carbon sequestration – Oak
- ‘Rewilding’



LOOK AT THE CONTEXT

Environment & Landscape

- Soil Type, Geology, Water Level
- Which species already thrive locally?
- Build Environment & Cultural Context
- Local Knowledge!

Socioeconomic Needs

- Enhance public realm
 - Meeting the needs of society
 - Social or antisocial planting
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SOME TOOLS

- Trees for various soil types

<https://www.treecouncil.ie/the-right-tree-in-the-right-place>

- National Biodiversity Data Centre

<https://maps.biodiversityireland.ie/>

- Heritage Maps

<https://www.heritagemaps.ie/WebApps/HeritageMaps/index.html>

- Ordnance Survey Ireland

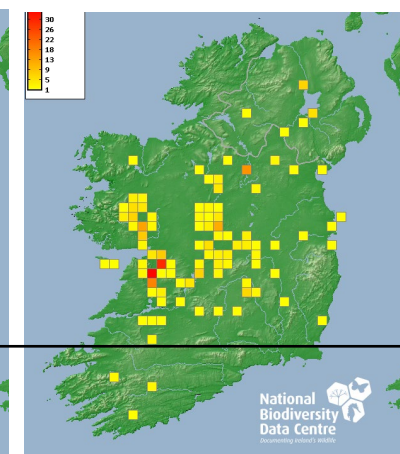
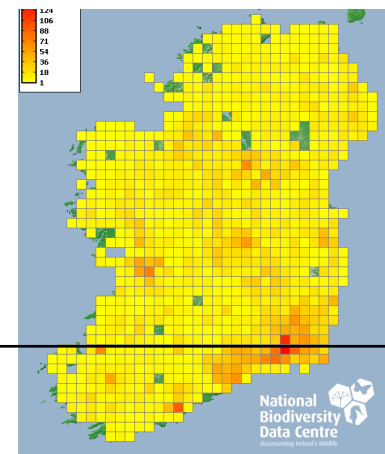
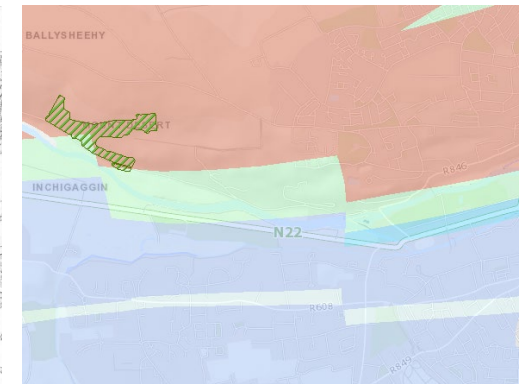
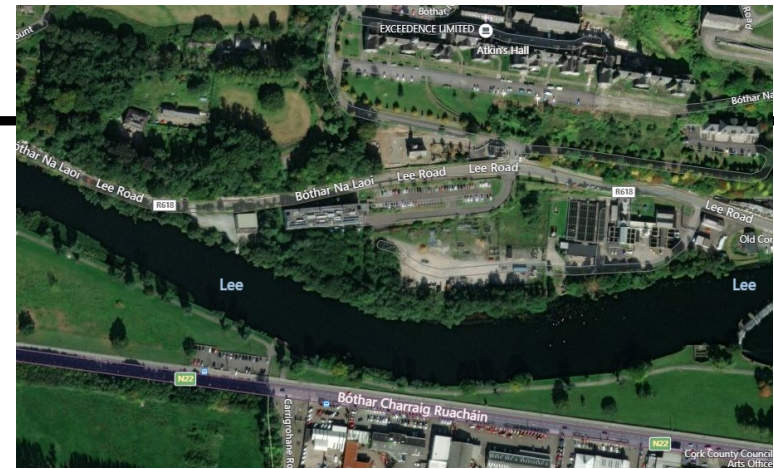
<http://map.geohive.ie/>

- Aerial imagery

<https://www.bing.com/maps>

- All Ireland Pollinator Plan

<https://pollinators.ie/>



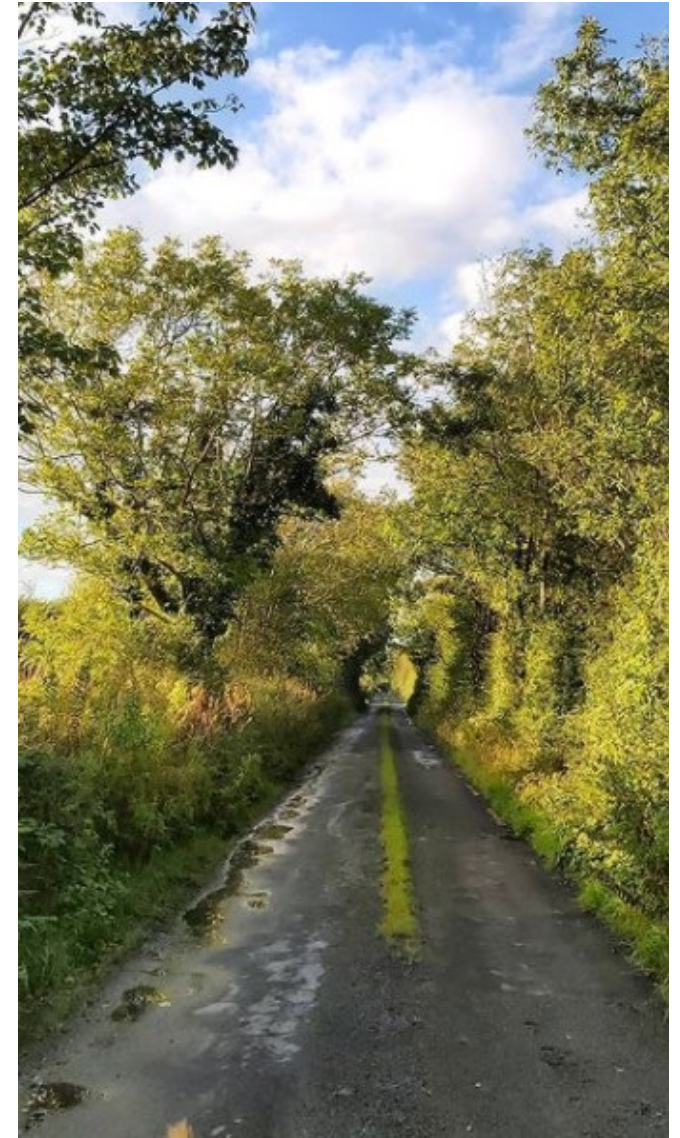
SOME CONSIDERATIONS FOR LARGER COMMUNITY PLANTING INITIATIVES

- Biodiversity Enhancement & Conservation
- Climate Mitigation



PROTECT WHAT YOU ALREADY HAVE

- Hedgerows & scrub are immensely valuable & not easily replaced.
- Rewilding & Ecological Succession
- Non-native trees have value if they are not dominant & integrated with the landscape
- Identify & manage threats.



AVOID PLANTING ECOLOGICALLY VALUABLE SITES

- Don't drain wetlands or plant on peat
 - Negative impacts on biodiversity & carbon release
 - Consider wetland restoration instead.
 - Some locations have legal designations.
 - Archaeologically Sensitive Sites
 - Gardens, Improved grasslands, eroding soils & brownfield sites benefit the most.
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**DEAD WOOD IS
GOOD!**



WHAT IF I PLANT THE WRONG TREE?

- It is not very likely that you will as long as you think about intent & context.
 - Choosing the right tree is about best outcome for people & planet.
 - Largest conflicts in urban spaces are around available space and land use, not tree type.
 - Our most common native trees are widely distributed - Source locally if possible.
 - If a tree is unhappy it just wont thrive.
 - Large scale planting? Ask for help.
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**LOOK A LITTLE
CLOSER...**

...at the variety of life that a single
tree can support.

A scenic landscape photograph of a valley. In the foreground, a river flows over rocks. The middle ground is filled with dense, green trees. In the background, there are rolling mountains under a clear sky. The sun is setting on the right side, creating a warm, golden glow. A large, leafy tree is in the upper left foreground.

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THANK YOU