

Blessington eGreenway

Arboricultural Survey and Assessment Report

Wicklow County Council

Project number: PR-447455



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1. Introduction	3
2. Inspection and Evaluation Limitations and Disclaimer	3
3. Background	4
3.1. Survey Intent and Context	4
3.2. Site Description	4
4. Survey Data Collection and Methodology	5
4.1. The Survey	5
4.2. Identification	5
4.3. Categorisation	5
4.4. Measurements	6
4.5. Limitations of the Survey	6
5. Assessment	6
5.1. Trees Surveyed	6
5.2 Risks Posed to Trees	8
5.2.2. Tree Removal	8
5.3. Protective Measures	8
5.3.1. Tree Works	9
5.3.2. Dynamic/Static Cable Bracing	10
5.3.3. Staged Veteranisation	10
5.3.4. Cellular Confinement Systems	10
5.3.5. Protective Barriers	11
5.3.6. Ground Protection	12
5.4. Landscaping	12
6. Conclusion	12
Appendix A: Glossary of Terms	14
Abbreviations	14
Tree Genera/Species	14
Fungal Species:	15
Tree Categories	15
Treatments	16
Deadwood	16
Age Classification	16
Appendix B: Photographs	17
Appendix C: Data Tables	22

1. Introduction

An Arboricultural Survey and Assessment (ASA) and subsequent report was requested by Wicklow County Council to support the proposed Blessington eGreenway Scheme. The trees within the footprint of the site and within proximity to the proposed development were assessed by Flynn Furney Environmental Consultants.

The information contained within this report is in accordance with British Standard BS 5837:2012 *Trees in relation to Design, Demolition and Construction - Recommendations* and provides information on the protection of the trees during the development phase. The findings and recommendations of this report should be read in conjunction with the data table found in the "*Blessington Greenway ASA: Appendix C*" file that has been provided along with this report.

325 individual trees and groups of trees were assessed as part of this report. It was found that approximately 7265 trees will need to be removed prior to construction of the Greenway with 100 trees that will need to be managed and protected during the development.

2. Inspection and Evaluation Limitations and Disclaimer

The information set out in this report relates to the review of a tree population on the site in question. As such, the information provided is based on a general review of trees and does not constitute a detailed review of any one of the individual specimens. Such an evaluation (tree report) would require the gathering of substantially more information than that dealt with in this survey.

The survey is not a safety assessment and the parameters reviewed within this survey context would be substantially deficient in extent to provide for a reliable safety assessment. The survey is intended to provide a general and qualitative review to assist in gauging the suitability of an individual tree for retention within a development context. Trees are living organisms whose health, condition and safety can change rapidly. It is recommended that all trees should be re-evaluated regarding their condition on an annual basis or subsequent to substantial trauma such as a storm event, other damage, or injury. It is advised that the results and recommendations of this survey will require review and reassessment after one year from the date of execution. This survey does not constitute a review of tree or site safety. Attempts to use the contents herein for such purposes will render the contents invalid.

The findings and recommendations made within this report are based upon the knowledge and expertise of the inspecting arborist. Peter Grennan is a climbing arborist with over 10 years' experience, having completed the LANTRA Professional Tree Inspection course in 2017.

The inspection involves visual assessment only, which has been carried out from ground level. No below ground, internal, invasive, or aerial (climbing) inspections have been carried out.

In line with client instructions, this report comprises an arboricultural survey and assessment and a summary report describing the material of arboricultural interest upon and adjoining the site in question. This information has been provided without any review of possible development works. This information does not include a full "Arboricultural Implication Assessment" and it does not provide an "Arboricultural Method Statement" or "Tree Protection Plan". It does, however, provide the information that would assist in the compilation of such documentation, should it be requested in the future and with the provision of suitable information regarding the nature and extent of any proposed development works.

3. Background

3.1. Survey Intent and Context

The intention of this document is to highlight the extent and nature of material of arboricultural interest on the site in question. This report was compiled with a view to ensuring the trees surveyed are at no higher than normal risk of failure and to preserve their health for biodiversity and amenity value.

3.2. Site Description

The site in question runs parallel to the majority of the lake shore at Poulaphouca Reservoir in County Wicklow with a number of small sections to be developed in the nearby area. The trees that were surveyed are located within and adjacent to the proposed route to be developed for the Greenway. The arboricultural habitat in this area consisted of deciduous woodland and conifer plantations.

The deciduous habitats ranged from managed woodland trails nearer to Blessington to dense, wet semi-natural willow and alder woodland on the lake shores. Some low diversity alder and ash plantations were found along the route, but these were in the minority, small in size and beginning to regenerate in the field and scrub layers. Other deciduous trees such as beech, sycamore and hawthorn were found throughout and at the borders of these habitats but generally not in large enough groups to constitute separate habitats.

The conifer plantations were mostly monocultures composed of Sitka spruce, Scots pine and larch. Some of these have begun to regenerate in the field and scrub layers. There are a number of plantation sections with large areas of windthrown trees, these are noted in the appendix.

The site was inspected between the 25th of January and the 5th of February 2021, weather conditions varied from heavy frost to moderate rain. No inspection was made of the soil and no information is given in regards to soil condition.

4. Survey Data Collection and Methodology

Appendix A contains a glossary regarding species recorded, relevant terminology and acronyms that are used in this and subsequent sections.

4.1. The Survey

The primary survey was carried out between the 25th of January and the 10th and February of 2019. This survey is not an Implication Assessment but provided some of the basic information regarding its compilation. The survey has been compiled under the recommendations of BS 3998:2012 (British Standard for Tree Work - Recommendations). This survey includes all trees within the footprint of the proposed route. Trees outside this area but whose root systems may be affected by the development were also assessed. Where there are suspected impacts from the new development on the trees assessed, this report recommends, where possible, preventative measures should be taken in an attempt to ensure the protection of any trees of ecological/cultural value. Where trees will have to be removed due to the constraints of the proposed route or as a result of the findings of this survey, potential preventative measures are also proposed. These protection considerations must be in accordance with Section 7 of BS 5837 (Trees in relation to design, demolition, and construction - Recommendations).

4.2. Identification

Each of the trees described within the text has been affixed with a consecutively numbered, alloy disk that relates directly to the survey text, positioned at approximately 1.5m from ground level. These tags were placed on the north face of the tree where possible. For a number of trees, it was not possible to assign a tag due to the tree in question being in a difficult to access area (steep elevation, dense scrub, flooded ground etc.) and were assigned a GPS pin and were appropriately described/photographed.

For large areas of continuous, homogenous woodland/plantation, an approximate average density of trees was calculated for a 5m x 10m strip and multiplied by the length of the woodland/plantation. The start and end of these groups were tagged where possible and GPS pinned where access was restricted.

4.3. Categorisation

For the purpose of this survey, all trees identified were assigned to different categories (A, B, C & U) which were used to determine the action/treatment required for the tree in question. Higher category trees required greater consideration for treatment instead of removal and lower category trees/groups were given less consideration for treatment and removal was recommended in the majority of situations. See table 3, Appendix A for a detailed breakdown of the category system.

4.4. Measurements

Measurements are metric and defined in meters and millimetres. All trees referred to in the survey text have been measured to provide information regarding canopy height and canopy spread (North, East, South and West radii), level of canopy base and stem diameter at 1.50 meters from ground level. The dimensions provided are intended to provide a reasonable representation of a tree's size and form. Whilst efforts are made to maintain accuracy, visual obstruction, especially regarding trees in groups, has required that some tree dimensions are estimated only.

4.5. Limitations of the Survey

The survey was conducted during the winter period. Some of the signs, typically symptomatic of ill health or defect within a tree, may not have been available to view at the time of the survey or may have been obscured by seasonality related factors. Some of the fruiting bodies of various fungi, parasitic upon or causing decay or disease in trees, may have been out of season and unavailable to view. This survey can only comment upon symptoms of ill-health or defects visible at the time of the inspection. Inspection frequency is 18 months as standard.

Where possible, the proposed route was followed, however, slight deviations were made where it was not possible to access the exact route due to terrain/vegetation constraints. In these instances, the route was followed as closely as possible and trees of interest were identified and counted to the best of the surveyor's ability.

5. Assessment

5.1. Trees Surveyed

The route that was surveyed was broken down into six different sections, Blessington, Baltyboys, Lacken, Ballyknocken, Vallemount and Tulfarris (table 2), for further detail on the locations, species, condition, classification, treatment and comments of the individual trees and groups of trees, see the data provided in the accompanying Appendix C.

Table 2: Tree Survey Sections

Section	Habitat Description	Trees to be Removed
1. Blessington	Section one consists mainly of mixed deciduous woodland and is already an existing Greenway trail for a large part between Avon Rí and Russelstown.	791
2. Baltyboys	Section 2 is significantly denser than section 1, being mostly semi-mature/mature deciduous woodland. Willow, ash, and alder are abundant with some Sitka spruce plantations.	653
3. Lacken	Section 3 is predominately conifer plantation, mostly scots pine and sitka spruce with deciduous trees throughout/between. One large open area over rock armour.	1897
4. Ballyknocken	Section 4 is deciduous woodland with occasional small conifer plantations (spruce and pine).	1561
5. Valleymount	Section 5 is similar to section 4 but with longer stretches of plantations that have begun to regenerate. There are large areas of windthrow in this section.	1827
6. Tulfarris	Section 6 begins at the Tulfarris hotel and golf resort, there is an area of deciduous woodland bordering the golf course which then becomes conifer plantation as it runs parallel to private land. A large part of this section is on existing roads.	536
Total		7,265

5.2 Risks Posed to Trees

The majority of tree roots grow in the upper metre of soil and they may spread outwards in any direction. Any disturbance of the ground within the root spread of a tree can damage its roots and may severely injure the tree. Damage to roots will interrupt the supply of water and nutrients necessary to keep the tree alive and may cause decline in vigour, dieback or even death of the tree. Damage to roots can also destabilize the tree and pose an unacceptable threat to the safety of people.

When soil is compacted a combination of high soil bulk density and elevated soil strength can directly limit root growth. The large pores in well-structured soil are important for gas exchange, the process of respiration and diffusion and these are lost when soils are compacted to high bulk densities. Soil compaction also reduces the rate of water infiltration and the availability of water to the roots, it impairs root growth and the root system's ability to support a healthy crown. The compaction of soil within tree root protection areas (RPA) can ultimately lead to crown dieback and a decline in tree health.

5.2.2. Tree Removal

Any trees to be removed that are located within the RPA of trees to be retained should not be felled with the use of excavation machinery but will be done so according to best practice as recommended in BS 3998:2010 Tree Work - Recommendations. All tree work operations recommended as part of this survey should be undertaken by suitably qualified tree surgeons with the appropriate insurance.

Where the stumps from trees that were felled are to be removed and are within the RPA of retained trees only the use of appropriate machinery, stump grinders, will be allowed within this restricted area. No excavation machinery will be allowed within the RPA of retained trees.

If tree works are to be undertaken within the bird nesting season, March – September, the trees in question will be assessed for the presence of any nests by a competent ecologist before any works commence. If bird nests are present works will cease and an ecologist consulted before works can commence.

5.3. Protective Measures

It is recommended that a suitably qualified arborist be present on-site during all tree works to oversee installation and maintenance of protective measures as well as tree reduction/removal.

To avoid damage to tree roots, existing ground levels should be retained where possible within the RPA. Intrusion into soil within the RPA is generally not acceptable and topsoil within it should be retained in situ. Where alternative design solutions are not available or practical, limited manual excavation within the RPA may be acceptable subject to justification and consultation with the on-site arborist. Such excavations should be undertaken carefully using hand-held tools and preferably

by using an air-spade – the use of compressed air to expose the tree’s root system. It should be noted that it is not realistic to plan for large excavations using hand-held tools due to the demands that manual excavation places on the development project and limitations arising from health and safety considerations.

If roots are exposed, they should be wrapped or covered immediately to prevent desiccation and to protect them from rapid temperature changes. Any coverings or wrappings will be removed before backfilling commences, which should happen as soon as possible. If a new hard surface is to be laid, it would be preferable to leave any existing sub-base in situ augmenting it where required and use cellular confinement systems.

Details of protection measures as recommended in Section 6.2 Barriers and Ground Protection of BS 5837 should be adhered to.

Category A and B trees, as outlined in detail in Appendix A, are trees of high quality and arboricultural or landscape value and are highlighted as such and their protection should be paramount.

Many of the trees assessed on this site have the potential to remain as part of the landscape for many years. On-going management of these trees including a regular review and inspection system should be put in place. As trees are dynamic living organisms and their condition can change rapidly this report will only remain valid for a period of 12 months. If the landscape of the site is to be altered in the future a further assessment should be made on the impacts that proposed development would have on these trees.

The removal of any trees as a result of the greenway improvement scheme should be offset with the planting of as many trees where the space allows.

5.3.1. Tree Works

Before any on-site works can begin, protection measures should be taken to ensure the wellbeing of the trees that are to be retained. The on-site arborist should be responsible for checking and approving the position of all tree protection measures at the first site visit prior to the commencement of works.

In general this protection usually consists of a combination of barriers and ground protection, however in some cases it is recommended that off-ground measures be taken, such as reducing the weight of the tree to reduce the likelihood of failure, or the bracing of trees to minimise the damage that would occur in the event of failure.

The protection of all trees on-site must be able to accommodate all building works, ingress and egress roots outside the designated RPA. Appropriate planning should be in place to accommodate the ingress and egress of plant machinery on-site so no trees selected for retention are impacted.

5.3.2. Dynamic/Static Cable Bracing

Bracing ensures the union of co-dominant stems is at a reduced risk of failure during sudden loads by holding them together and limiting the amount that the weight at the top of the lever arm can pull the union apart. Dynamic bracing systems are less rigid than traditional steel systems; incorporating an elastic insert inside polymer cables or metal springs in the steel cables, this means there is some movement during gentle wind loads which can allow the tree to form compression wood, and a slack loop in the cable that becomes taut when the stems pull apart to apprehend the load before there is stress on the union. Bracing with a belt attachment (as practiced in Cobra bracing systems) negates the need to bore holes for bolts, belts may be considered unsightly/expensive in comparison to bolts but they can be easily readjusted, have shown no indication that they interfere with the cambial activity and have the obvious advantage in that they do not allow an entry point for decay. It is best to procure a belt with a supplementary internal belt to stop any risk of the system slipping.

5.3.3. Staged Veteranisation

"Veteran trees display certain features such as wounds or decay that offer habitats for other species like fungi and wood boring insects. Ancient trees may be veterans but not all veterans are ancient, as these traits may have developed due to environmental incidents rather than time. For example, a limb broken off a young tree due to high winds can allow decay fungi in to create rot holes." - From the Woodland Trust, Wood Wise, 2014.

Staged veteranisation is the process of mimicking naturally veteran trees by employing techniques such as pollarding, canopy reductions and conversion to standing monoliths. The staged process occurs over an extended period to allow for the trees to respond and is subject to regular review. This is to be carried out by a qualified arborist on a case by case basis.

5.3.4. Cellular Confinement Systems

In order to ensure the health and vigour of trees, their roots need to be retained/undamaged. To achieve this there must be no excavation, no soil stripping and no grading of the greenway within the RPA of trees to be retained. This implies that the proposed extension of the existing greenway will be constructed above the existing ground level, where possible.

Cellular confinement systems can be used for ground protection where tree roots are at risk from soil compaction and where it is unacceptable to dig into the ground to lay a conventional sub-base. Standard engineering practice is to remove the upper layer of soil and lay a compacted sub-base and a final surface that is level with the surrounding ground. Surfaces constructed in this way can sever tree roots at a shallow depth and future root growth can be inhibited by soil compaction.

A cellular confinement system is a series of geo-cells arranged in a honeycomb-like formation that is combined with an underlying geotextile to spread loads in such a way as to avoid compaction of underlying soils. To create a stable base for hard surfacing near trees it is recommended that a cellular confinement system made of high-density polyethylene (HDPE) should be used for the expansion of the greenway. The plastics are bonded together to form a three-dimensional matrix that can be filled with angular stone. Only 20mm and 40mm, or its equivalent, angular stone with a “no fines” content should be used as, even when compacted, it will be free draining and will thus allow gaseous diffusion into and out of the soil. Angular stone infill also increases friction between stones and enhances load spreading. For a cellular confinement system to function effectively it is crucial that all of the cells are expanded and filled to capacity. Geo-cells made from flexible geotextiles are not suitable for use near trees as they have a tendency to deform as they are filled, which can impact on their load-spreading ability. The underlying geotextile material used should be needle punched non-woven as it provides adequate tensile resistance and allows water to reach the soil.

The cellular confinement system chosen for use should conform to ISO 13426 - 1: 2019 Geotextiles and geotextile related products - strength of internal structural junctions - Part 1: Geo-cells.

In order to protect soils and the RPA of trees the cellular confinement system to be used in the greenway improvement scheme should be fenced off and treated as an exclusion zone during construction. As a final surface course is not laid down until the end of construction works the cellular confinement system will be exposed and may be vulnerable to wear and tear. If the geo-cell surface needs to be used as an access road during construction, the type of traffic that the surface will be subject to should be taken into consideration. The surface will experience heavier traffic than its intended final use, vehicles of particular concern could include dumpers, excavators or HGV's. Mud from the tyres of the machinery used in the installation process has the potential to be deposited on the unprotected infill which could impair its long-term permeability. Installing a temporary surface or over-filling the geo-cells with 50-75mm of material could be a suitable solution for temporary protection.

5.3.5. Protective Barriers

The installation of the protective barriers, as outlined in Section 6.2 of BS 5837: 2012 - Barriers and Ground Protection is advised where trees to be retained are subject to risk from development. The tree protection barriers will remain in place for the duration of the construction works and should only be removed once the on-site arborist has signed off on its removal.

The appropriate tree protection signage should be attached to the protective fencing, for example, “T.P.A. Tree Protection Area - Restricted Access Keep Out”.

5.3.6. Ground Protection

Where the RPAs of the trees selected for retention extend beyond the proposed location of the protective fencing adequate ground protection will be required. Where the RPA extends under existing hard surfaces to be retained there will be no need for additional protection. Where there is no existing hard surface present ground protection must be used in order to protect the soils from compaction.

For pedestrian movement the construction of an appropriate raised walkway or the use of load bearing geotextile membrane would be required. For the use of machinery within the RPA the appropriate method should be selected depending on the weight of the machinery e.g. interlinked ground protection boards, compression resistant layers of geotextile membrane or precast reinforced concrete slabs.

In all cases the objective should be to avoid compaction of the soil so that the tree root functions remain unimpaired.

5.4. Landscaping

Post construction phase there is usually a need for landscaping works to take place. The removal of the tree protection barriers in order for the landscaping works to commence will allow access to previously restricted areas. The landscape contractor should have access to this report and any other reports pertaining to the ecology of the area. The landscape contractor should have his own method statement detailing his proposed work. No rotovating should take place within the RPAs. The use of machinery should be restricted from entering the RPAs and there should be no alteration of the soil levels within the RPAs.

6. Conclusion

Over a two week period, this survey assessed 325 individual trees and groups of trees across a range of habitats. It was found that approximately 7265 trees will need to be removed prior to construction of the Blessington eGreenway. This relatively high number is due to the considerable amount of conifer plantation, where trees occur in long stretches and in high densities along the proposed route, groups of 200+ conifers to be removed were not uncommon. Due to the low ecological value of these trees they were marked to be removed in large numbers, however existing routes that would negate the removal of trees if followed were identified and their lengths and locations are noted in Appendix C.

Other groups of trees that were marked to be removed (though in significantly lower group numbers) included areas of deciduous woodland where it would not be feasible to go around. It is proposed by Wicklow County Council to carry out an extensive tree-planting programme which will result in a significant net increase in tree numbers within the survey area.

This survey also identified over 100 individual trees that should be retained for both ecological and cultural reasons that will need to be managed and protected during the development. Recommendations for protective measures are outlined in section 5.3. and these measures should be subject to regular monitoring by a suitably qualified arborist.

Appendix A: Glossary of Terms

Abbreviations

BS - British standards
BSS - British standard specifications
CON - coniferous
DBH - diameter at breast height
DEC - deciduous
GD - *Ganoderma sp.*
HF - *Hymenoscyphus fraxineus*
HWH - hawthorn
KD - *Kretzschmaria deusta*
MXD - mixed
PLT - plantation
SP - Scots pine
SS - Sitka spruce
TLN - treeline
WLW - willow
WLN - woodland

Tree Genera/Species

Sp. - Species, used following generic terms when species is not immediately identifiable e.g. *Acer sp.* includes trees in the maple genus.

Acer sp. - Maple
Acer pseudoplatanus - Sycamore

Crataegus monogyna - Hawthorn

Fagus sylvatica - Beech

Fraxinus excelsior - Ash

Larix Decidua - European Larch

Malus sp. - Apple

Picea sitchensis - Sitka spruce

Pinus sp. - Pine
Pinus sylvestris - Scots pine

Populus sp. - Poplar

Prunus spinosa - Blackthorn

Quercus robur - English oak

Salix sp. - Willow

Fungal Species:

Ganoderma sp. - Ganoderma are characterized by basidiocarps that are large, perennial, woody brackets also called "conks". They are lignicolous and leathery either with or without a stem. The fruit bodies typically grow in a fan-like or hoof-like form on the trunks of living or dead trees. They have double-walled, truncated spores with yellow to brown ornamented inner layers.

Hymenoscyphus fraxineus (formerly *Chalara fraxinea*) - an ascomycete fungus that causes ash dieback, a chronic fungal disease of ash trees in Europe characterised by leaf loss and crown dieback in infected trees.

Kretzschmaria deusta - commonly known as brittle cinder, is a fungus and plant pathogen found in temperate regions of the Northern Hemisphere.

Meripilus giganteus - *M. giganteus* is a polypore fungus in the family *Meripilaceae*. It causes a white rot in various types of broadleaved trees, particularly beech, but also *Abies*, *Picea*, *Pinus*, *Quercus* and *Ulmus* species.

Peniophora sp. - The *Peniophoraceae* are a family of fungi in the order *Russulales*. Species of this family have a cosmopolitan distribution and are mostly saprobic, causing rots of standing and fallen wood.

Phytophthora sp. - A genus of plant pathogenic oomycetes. Cause a range of diseases including blights.

Tree Categories

As per the recommendation of BS 5837:2012 4.5.5, it was initially determined whether a tree fell into category U, if not it was then considered for categories A, B and C respectively.

Table 3: Tree Categories.

Category U - those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.

Category A - trees of high quality with an estimated remaining life expectancy of at least 40 years.

Category B - trees of moderate quality with an estimated remaining life expectancy of at least 20 years

Category C - trees of low quality with an estimated remaining life expectancy of between 10 and 20 years.

The above categories can be further subdivided regarding the nature of their values or qualities:

Sub-category 1 - Arboricultural qualities: the trees influence as a good example of its species, it's health and structure
Sub-category 2 - Landscape qualities: the trees importance within and as landscape features
Sub-category 3 - Cultural qualities: trees of an age that have a significant conservation and historical value

Treatments

Should/must be kept - Tree is of high value and must be retained or tree is unlikely to be influenced by the proposed developments.
Should/must be kept and protected from damage - Tree is of high value and should/must be retained but is likely to be affected by the proposed development and so protective measures are recommended.
Retain if possible - Tree is of moderate value but is likely to be affected by the proposed development and so should be retained if it is feasible to do so
Has to be lost - Tree is of low quality or has significant structural damage and is likely to be affected by the proposed development and so should be removed.

Deadwood

Small diameter \leq 25 mm

Large diameter $>$ 25 mm

Age Classification

Terms are relative to the lifespan of individual species for the geographic region surveyed.

Young - less than 10 years old
Semi-mature - within the first third of its life span
Mature - tree within the second two thirds of its life span
Veteran - tree beyond/at end of natural life span, in a state physical decline

Appendix B: Photographs

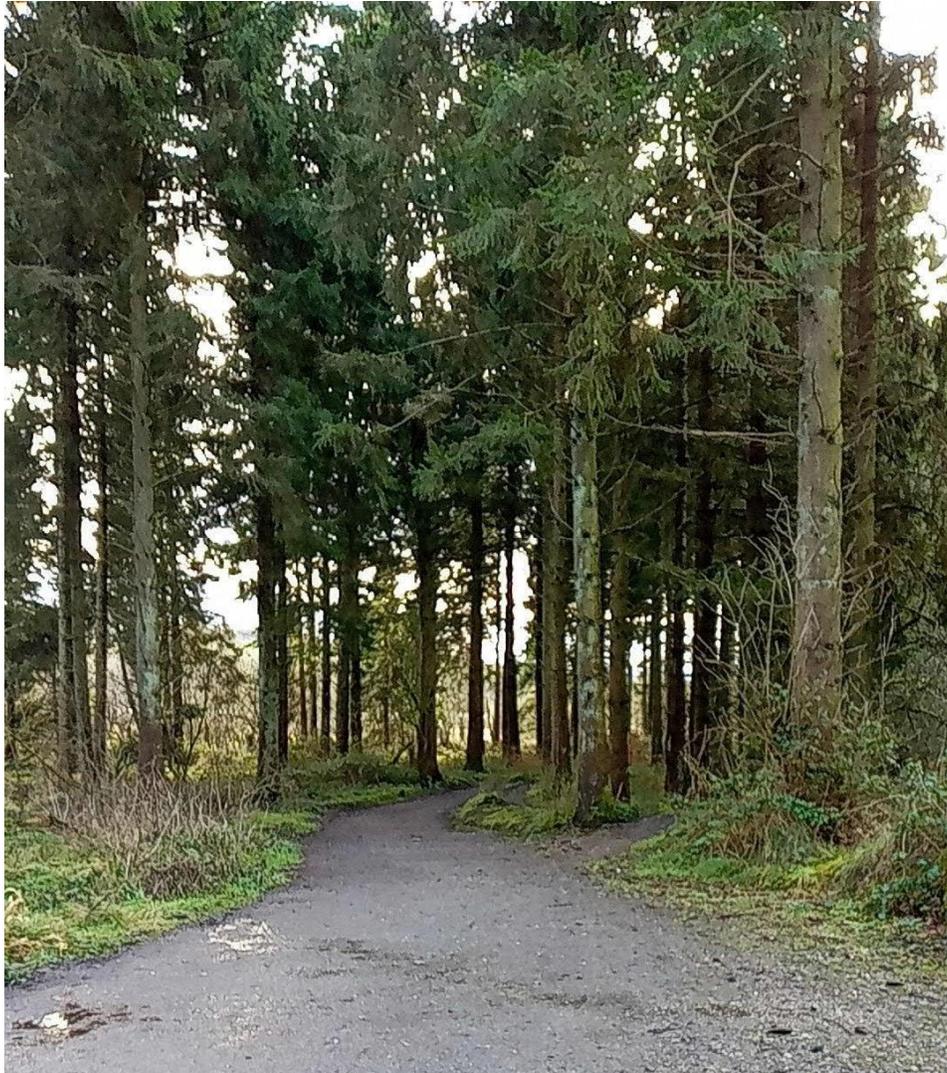


Figure 1: Existing route at point 60.



Figure 2: GPS point 114 - Intended route goes through tree on left, room to avoid tree.



Figure 3: GPS point 166 (lake to right) - Intended path runs through trees on right side, room on left to avoid by altering path slightly (paths indicated by fingers).



Figure 4: GPS point 167 (lake to left) - Intended path runs along the left hand side through trees, room on the right to avoid by altering path slightly (paths indicated by fingers).



Figure 5: GPS point 178 (lake to right) - Room on lakeside to avoid trees (suggested path indicated by finger).



Figure 6: GPS point 239 - Specimen elder to be avoided.

Appendix C: Data Tables

Please see accompanying data tables in Excel Workbook.

Blessington Baltyboys

Lat	Lon	CSName	X(ITM:2157)	Y(ITM:2157)	Name	Species	number of trees	Age	Height	Arbocultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed
53.13423954	-6.519757435	EPSG:2157	699049.9598	710324.7696	160	Sitka Spruce	1	semi mature	10 to 20m	C	Retain if possible	Yes	end of plantation approx 15-20 trees + scrub layer to be lost	20
53.133835	-6.520016667	EPSG:2157	699033.5448	710279.403	159	Alder	1	semi mature	10 to 20m	C	Has to be lost	No	start of conifer plantation	1
53.13372058	-6.520086005	EPSG:2157	699029.1684	710266.5765	end of hawthorn scrub strip	hawthorn	1	young	0 to 5m	B3	Has to be lost	No		1
53.13368	-6.520168333	EPSG:2157	699023.9829	710250.8223	strip of hawthorn to be lost	hawthorn	1	semi mature	0 to 5m	A	Retain if possible	No		1
53.13348081	-6.520214751	EPSG:2157	699021.1051	710239.722	158	Alder	1	semi mature	5 to 10m	C	Has to be lost	No	end of alder plantation (with some larch) approx 100-150 trees to be lost (mostly young alder) depending on how wide the path is made	150
53.13204316	-6.521156542	EPSG:2157	698961.3919	710078.4703	157	Alder	1	semi mature	10 to 20m	C	Has to be lost	No	start of alder plantation with elder understory (larch border)	1
53.13199549	-6.521173641	EPSG:2157	698960.3573	710073.1425	152	Alder	1	semi mature	10 to 20m	C	Has to be lost	No	end of regen conifer plantation approx 50 trees to be removed, as well as some fallen trees and willow scrub	50
53.13074669	-6.521720812	EPSG:2157	698926.6124	709933.4471	156	Alder	1	mature	0 to 5m	U	Retain if possible	Yes	signs of phytophthora, compression union, within striking distance of route. remove limb over route to union	0
53.13047069	-6.521717124	EPSG:2157	698927.4931	709902.7453	155	Willow	4	mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	No	four mature willow, tree tagged is to be removed, protect other three from damage, they will act as a wind break for route/woodland	1
53.130213	-6.52188845	EPSG:2157	698916.6204	709873.8382	154	Oak	1	mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	No	room to run route north of oak if adjacent sitka spruce is removed protect oak roots from damage	0
53.13017176	-6.521940082	EPSG:2157	698913.26	709869.1788	152	Oak	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	No	reduce end weight to apt. growth point (~2m) on path side protect roots from damage (as per BSS) start of regen conif plantation (oak, alder, willow, elder)	0
53.13009333	-6.522003333	EPSG:2157	698909.2076	709860.3654	151	Willow	1	veteran	5 to 10m	A3	Should/must be kept	No	Prune limbs over route back to appropriate growth points	0
53.12970365	-6.523110867	EPSG:2157	698835.9891	709815.4805	Stand of larch	larch	10	semi mature	0 to 5m	C	Has to be lost	No	Clear as necessary, approx 10 trees on planned route	10
53.12764566	-6.521593742	EPSG:2157	698942.2388	709588.6067	14	sycamore	1	mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	No	end of regen SS/larch plantation 150+ conifers and young DEC to be removed, as well as scrub layer	150
53.12694667	-6.521415	EPSG:2157	698955.8062	709511.0854	150	sycamore	1	mature	10 to 20m	B2	Should be kept and protected from damage (e.g. root compaction)	Yes	end of sycamore treeline	0
53.12644833	-6.521558333	EPSG:2157	698947.3588	709455.4436	149	sycamore	1	mature	10 to 20m	B2	Should be kept and protected from damage (e.g. root compaction)	No	start of line of sycamore on field boundary advise retention for aesthetic purposes	0
53.12533548	-6.523381099	EPSG:2157	698827.9276	709329.112	147	Sitka Spruce	1	semi mature	20 to 30m	C	Has to be lost	Yes	start of regen SS/larch plantation	1
53.12531898	-6.523498446	EPSG:2157	698820.1121	709327.1146	143	Sitka Spruce	1	semi mature	20 to 30m	C	Has to be lost	Yes	slight lean end of regen SS plantation approx 40+ trees to be removed IF field boundary treeline is retained if field boundary treeline goes too, 70+ trees to be lost	40

53.12524796	-6.524168327	EPSPG:2157	698775.4435	709318.2889	146	larch	1	mature	10 to 20m	C	Has to be lost	Yes	leaning, root-heave evident reduce to standing monolith (approx 6m)	0
53.12521999	-6.524372846	EPSPG:2157	698761.8204	709314.8955	145	Sitka Spruce	1	mature	20 to 30m	C	Has to be lost	Yes	high risk of windthrow	1
53.12520833	-6.524445	EPSPG:2157	698757.0182	709313.4986	144	Ash	1	mature	20 to 30m	C	Retain if possible	No	HF in area but retain if possible	0
53.125245	-6.524681667	EPSPG:2157	698741.0953	709317.2517	142	sycamore	1	mature	20 to 30m	B3	Should be kept and protected from damage (e.g. root compaction)	Yes	drain through rooting area start of group: regenerating SS plantation	0
53.1252556	-6.524808034	EPSPG:2157	698732.6139	709318.2574	141	Ash	1	young	5 to 10m	C	Has to be lost	No	group of 8 trees: 6 ash to be lost 2 hawthorn to be retained if possible	6
53.1252888	-6.52487509	EPSPG:2157	698728.0502	709321.8583	139	Windthrow ash	1	mature	10 to 20m	U	Has to be lost	No		1
53.12532823	-6.524995118	EPSPG:2157	698719.927	709326.08	139	Ash	1	young	5 to 10m	C	Should/must be kept	Yes	end of MXD WLN approx 10-15 larch and 20+ young ash to be rmvd Mature hawthorn (B3) in immediate vicinity to be retained if possible	35
53.12547651	-6.52550038	EPSPG:2157	698685.773	709341.8805	140	Ash	1	semi mature	10 to 20m	U	Has to be lost	No	Ash with signs of HF to be removed	1
53.12557227	-6.5257743	EPSPG:2157	698667.2217	709352.1577	138	Ash	1	mature	10 to 20m	C	Has to be lost	No	start of MXD WLN (larch, ash)	1
53.12557147	-6.525795422	EPSPG:2157	698665.81	709352.0391	137	larch	1	semi mature	10 to 20m	C	Has to be lost	Yes	end of larch plantation approx 10-15 trees to be removed	15
53.125593	-6.526261121	EPSPG:2157	698634.5942	709353.7926	135	Alder	1	mature	10 to 20m	B3	Retain if possible	No	storm damaged crown reduce overhanging limbs hazard beam @ 5m, remove to suitable point remove small and large diameter deadwood clear space immediately south of alder, less trees to be removed if path curves here as opposed to north, where there is larch	0
53.12562841	-6.526451558	EPSPG:2157	698621.7684	709357.4699	134	Willow	1	mature	10 to 20m	B3	Has to be lost	No	4+ mature willow on route, likely to be removed	4
53.12563303	-6.52647201	EPSPG:2157	698620.3891	709357.9565	131	Willow	1	semi mature	5 to 10m	C	Has to be lost	Yes	end of wllw win, 40+ willow to be rmvd	40
53.12565167	-6.526558333	EPSPG:2157	698614.5693	709359.9109	133	Pinus sp.	1	mature	10 to 20m	C	Has to be lost	Yes	end of pine line (apr 30 to be rmvd)	30
53.12565396	-6.527385972	EPSPG:2157	698559.1752	709359.0262	132	Pinus sp.	1	mature	10 to 20m	C	Has to be lost	Yes	start of a line of pines leaning towards route, to be removed	1
53.12562197	-6.527898557	EPSPG:2157	698525.5465	709354.7742	130	Willow	1	mature	5 to 10m	C	Retain if possible	No	start of willow win retain where poss	0
53.12560507	-6.527978741	EPSPG:2157	698519.6166	709352.7713	128	Sitka Spruce	1	young	5 to 10m	C	Has to be lost	No	end of mxd win 20+ trees to be rmvd	20
53.12557911	-6.528061554	EPSPG:2157	698514.1338	709349.7698	129	Pinus sp.	10	mature	10 to 20m	C	Has to be lost	Yes	wind blow, threat to path, to be removed	10
53.12551836	-6.52837839	EPSPG:2157	698493.0688	709342.5741	127	Pinus sp.	1	semi mature	10 to 20m	C	Has to be lost	No	start of mxd wln	1
53.12550327	-6.528470255	EPSPG:2157	698486.9552	709340.769	126	Birch	1	mature	10 to 20m	B3	Has to be lost	No		1
53.12551167	-6.528528333	EPSPG:2157	698483.0492	709341.6237	125	Alder	1	mature	10 to 20m	C	Has to be lost	No	removal of larch at 123 would facilitate keeping this	0
53.12551916	-6.5286218	EPSPG:2157	698476.7769	709342.3289	123	larch	2	mature	10 to 20m	C	Has to be lost	Yes	root heave evident remove to height of 6 m and coronet cut end of larch PLT 40+ trees to be lost	40
53.12523528	-6.529182047	EPSPG:2157	698439.9316	709309.9751	124	Ash	8	young	10 to 20m	C	Has to be lost	No	treeline of ash on route	8
53.12504436	-6.529684626	EPSPG:2157	698406.7329	709288.042	122	larch	1	semi mature	10 to 20m	C	Has to be lost	No	start of larch PLT	1
53.12485202	-6.530208327	EPSPG:2157	698372.1234	709265.9233	121	Sitka Spruce	1	mature	10 to 20m	C	Has to be lost	No	10+ SS to be removed in this section	10
53.12453615	-6.5306006	EPSPG:2157	698346.5916	709230.2414	120	Sitka Spruce	1	young	10 to 20m	C	Has to be lost	No	start of SS plantation	1
53.12450376	-6.530616358	EPSPG:2157	698345.6109	709226.6159	117	Alder	1	mature	5 to 10m	B3	Retain if possible	No	end of dec win	0
53.12437667	-6.530716667	EPSPG:2157	698339.1878	70912.3382	119	Willow	1	veteran	5 to 10m	A3	Should/must be kept	No	prune protruding limbs to target point appropriate growth point	0
53.12421082	-6.530820876	EPSPG:2157	698332.5921	709193.7434	118	Birch	1	mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No	badger set complex adjacent	0
53.12404725	-6.530994885	EPSPG:2157	698321.3197	709175.3059	116	Alder	1	mature	10 to 20m	B3	Retain if possible	No	wet marshy ground bordering ditch start of section DEC WLN	0

53.123785	-6.531188333	EPSPG:2157	698308.9713	709145.8628	115	Alder	1	mature	10 to 20m	B	Retain if possible	No	large alder, 20+ trees in area will need to be removed for path (mostly birch and alder). route very wet (drain) however running north of alder at 015 wood require 50+ trees to be removed	20
53.12366167	-6.531308333	EPSPG:2157	698301.2215	709131.9762	112	Ash	1	young	10 to 20m	C	Has to be lost	No	approx 40-50 young trees to be removed in this section	50
53.12311471	-6.53158363	EPSPG:2157	698284.0446	709070.7444	114	Alder	3	mature	10 to 20m	A3	Retain if possible	No	group of 3 mat alder, should be retained. room to run path nearer to lake. will require less trees to be felled	0
53.1229284	-6.531749256	EPSPG:2157	698273.3846	709049.7886	113	Willow	1	mature	5 to 10m	A	Should be kept and protected from damage (e.g. root compaction)	No		0
53.12287	-6.531713333	EPSPG:2157	698275.922	709043.3408	111	Alder	1	young	5 to 10m	B3	Retain if possible	No	start of dec wln section	0
53.12267971	-6.531982608	EPSPG:2157	698258.3339	709021.8003	110	Alder	1	mature	10 to 20m	B3	Retain if possible	No	large alder, retain if possible. end of dec win, approx 30 trees to be lost tags 107, 108, 109 lost to swamp	30
53.12244954	-6.532716528	EPSPG:2157	698209.7384	708995.1848	105	Willow	1	semi mature	5 to 10m	C	Retain if possible	No	end of wln	0
53.12245	-6.532546667	EPSPG:2157	698221.106	708995.4691	106	Willow	1	semi mature	5 to 10m	C	Retain if possible	No	start of DEC WLN	0
53.12229	-6.533345	EPSPG:2157	698168.039	708976.5731	108	Alder	1	mature	10 to 20m	B3	Retain if possible	No		0
53.122145	-6.533545	EPSPG:2157	698154.9835	708960.1665	107	Alder	1	mature	10 to 20m	B3	Retain if possible	No		0
53.12088	-6.53533	EPSPG:2157	698038.393	708816.9797	106	Ash	2	mature	10 to 20m	C	Retain if possible	No		0
53.12018435	-6.535910703	EPSPG:2157	698001.108	708738.7883	104	Ash	1	semi mature	10 to 20m	U	Has to be lost	No	several large ash to be lost. HF present start of ash woodland	7
53.12012862	-6.536001228	EPSPG:2157	697995.1758	708732.4634	103	Alder	1	semi mature	10 to 20m	B3	Retain if possible	No	end of ash WLN clear as necessary, minimal impact advised	0
53.11912	-6.536823333	EPSPG:2157	697942.4429	708619.1217	102	Alder	1	young	5 to 10m	B3	Retain if possible	Yes	start of ash woodland	0
53.11902697	-6.536971517	EPSPG:2157	697932.7358	708608.5682	99	Alder	1	young	5 to 10m	B3	Retain if possible	No	end of mxd Dec wln	0
53.11901851	-6.536892056	EPSPG:2157	697938.0736	708607.7366	101	Alder	3	young	10 to 20m	A	Should be kept and protected from damage (e.g. root compaction)	No	three large alder to be avoided	0
53.11875693	-6.537113339	EPSPG:2157	697923.8568	708578.3306	102	Birch	1	mature	10 to 20m	A3	Should/must be kept	No		0
53.11858569	-6.537290365	EPSPG:2157	697912.3967	708559.037	101	larch	2	semi mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No		0
53.11824201	-6.537485495	EPSPG:2157	697900.1165	708520.5325	101	Birch	1	mature	10 to 20m	A	Should be kept and protected from damage (e.g. root compaction)	No		0
53.11799189	-6.537858658	EPSPG:2157	697875.7069	708492.1947	100	larch	1	semi mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	No		0
53.11794581	-6.537825465	EPSPG:2157	697878.0333	708487.1132	98	Alder	1	young	5 to 10m	B3	Retain if possible	No	start of mixed decid woodland. trees to be retained are tagged	0
53.11791482	-6.537941135	EPSPG:2157	697870.3612	708483.5075	96	Willow	1	mature	5 to 10m	A	Should be kept and protected from damage (e.g. root compaction)	No	mature willow, to be retained. Prune branches above route where necessary. be sympathetic to rooting area end of woodland, approx 7 trees to be removed, including two nearby alder (tagged as 97), clear scrub as necessary	7
53.11772366	-6.53797701	EPSPG:2157	697868.3941	708462.1901	95	Willow	9	mature	5 to 10m	B3	Retain if possible	No	start of mature willow woodland, some trees will have to be lost but larger trees to be retained where possible.	0
53.11756731	-6.537921689	EPSPG:2157	697872.4521	708444.8703	94	Scots Pine	1	semi mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	No		0
53.11752284	-6.537636034	EPSPG:2157	697891.6744	708440.2906	Willow scrub	Willow	1	semi mature	5 to 10m	B3	Has to be lost	No		1

53.11746408	-6.537039913	EPSG:2157	697931.7098	708434.5907	93	Willow	1	mature	5 to 10m	B	Should be kept and protected from damage (e.g. root compaction)	No	room for path, be sympathetic to rooting area	0
53.1174184	-6.536882333	EPSG:2157	697942.3615	708429.7241	92	Willow	8	mature	5 to 10m	B3	Has to be lost	Yes	willow and hawthorn. most trees will have to be removed, retain where possible	8
53.11681452	-6.5366235	EPSG:2157	697961.0599	708362.8913	91	Willow	1	mature	5 to 10m	A	Should be kept and protected from damage (e.g. root compaction)	No	large willow, some branches over route, prune for access if necessary	0
53.11666	-6.536575	EPSG:2157	697964.6577	708345.7658	90	Willow	6	mature	5 to 10m	A	Retain if possible	Yes	Several mature willow in immediate vicinity of path. Retain specimens where possible, some branches will need to be removed.	0
53.11664811	-6.536535993	EPSG:2157	697967.2958	708344.4959	Willow scrub	Willow	1	semi mature	5 to 10m	B3	Has to be lost	No	Retain where possible but a large section will need to be lost	
62.13788302	-6.55804195	EPSG:2157	675196.8794	1712672.822	Acer tree line	Acer sp.	1	mature	10 to 20m	C	Retain if possible	No	runs along field boundary. As before, some trees will likely need to be removed (10-15). Avoid roots of other trees to be retained GPS point error - should be on field boundary slightly south of where indicated	15
53.13664618	-6.559384726	EPSG:2157	696393.083	710538.4485	Acer/Sitka tree line	Acer sp.	1	mature	10 to 20m	B3	Retain if possible	No	some space on lakeside of field boundary for path. Tree removal required in some areas as necessary (20-25 trees)	25
53.13661923	-6.560438834	EPSG:2157	696322.616	710534.0313	SS plantation with bramble and elder understory	Sitka Spruce	1	mature	10 to 20m	C	Has to be lost	No	10-15 trees to be removed	15
53.13653073	-6.560927331	EPSG:2157	696290.1299	710523.5278	89	Oak	1	mature	10 to 20m	A	Should be kept and protected from damage (e.g. root compaction)	No	remove dead wood over pathway, being sympathetic to rooting area	0
53.1365786	-6.561173424	EPSG:2157	696273.5575	710528.5229	88	Sitka Spruce	1	mature	10 to 20m	C	Retain if possible	No	34 trees to remove if path is to be built on lakeside of fence.	34
53.1359756	-6.562237255	EPSG:2157	696203.7267	710460.003	87	Sitka Spruce	1	mature	10 to 20m	C	Retain if possible	No	start of plantation	0
53.13614455	-6.56360887	EPSG:2157	696111.5774	710476.9589	willow scrub	Willow	10+	semi mature	0 to 5m	B3	Retain if possible	No	clear as necessary	10
53.13624633	-6.564426273	EPSG:2157	696056.6596	710487.1854	0085 and 0086	Beech	2	mature	10 to 20m	A	Should be kept and protected from damage (e.g. root compaction)	No	Remove lower limbs, reduce end weight to overhanging stem	0
53.13624532	-6.564426273	EPSG:2157	696056.6618	710487.0736	84	Beech	4	young	5 to 10m	C	Has to be lost	No		1
53.13615421	-6.565555818	EPSG:2157	695981.2896	710475.4215	Oak and hazel woodland	Oak	1	mature	20 to 30m	A	Should/must be kept	No	Retain oaks and clear understory as required. Minimum impact suggested to retain natural landscape	0
53.13625759	-6.564627774	EPSG:2157	696043.1525	710488.1683	83	Beech	1	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	extensive KD decay suggest staged veteranisation	0
53.13628354	-6.564696841	EPSG:2157	696038.4735	710490.9625	82	Beech	1	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	Advanced GD decay suggest staged veteranisation	0
53.136295	-6.564930864	EPSG:2157	696022.79	710491.3242	81	Oak	1	mature	20 to 30m	A	Should/must be kept	No	avoid and be aware of harming roots	0
53.13625679	-6.56568557	EPSG:2157	695972.3795	710486.6605	79	Beech	1	young	30 plus	A	Should/must be kept	No	Avoid, clear understory as necessary	0
53.13619222	-6.565899476	EPSG:2157	695958.2114	710479.1904	78	Oak	1	mature	20 to 30m	A	Should/must be kept	No	oak to be avoided, be aware of roots. clear understory as necessary	0
53.1361359	-6.565979272	EPSG:2157	695952.9979	710472.8175	77	Oak	1	young	10 to 20m	A	Should/must be kept	No	retain oak, small diameter deadwood in lower canopy to be removed clear under story as necessary	0
53.13578894	-6.566943862	EPSG:2157	695889.2319	710432.9225	76	Oak	1	young	0 to 5m	B3	Should be kept and protected from damage (e.g. root compaction)	No	Replant	0
53.13515474	-6.56802848	EPSG:2157	695818.0728	710360.9105	Willow scrub	Willow	1	young	0 to 5m	C	Retain if possible	No	Willow scrub, room for path to run adjacent	0
53.13339934	-6.568843871	EPSG:2157	695767.4191	710164.5152	74	Beech	1	mature	20 to 30m	B3	Has to be lost	Yes	DBH 560 mm Suggest removal for path tag 73 damaged, unusable	1

53.13329273	-6.568652429	EPSPG:2157	695780.4661	710152.91	Fallen beech tree	Beech	1	veteran	20 to 30m	A3	Should/must be kept	No	Retain as deadwood - high ecological value. Cut path as required and leave wood to side to rot	1
53.13301172	-6.567724384	EPSPG:2157	695843.1892	710122.887	71	Fir sp.	1	mature	20 to 30m	B1	Should/must be kept	No	broken competing stem	0
53.13300408	-6.567996629	EPSPG:2157	695824.9896	710121.6722	72	Beech	8	mature	20 to 30m	A	Should/must be kept	No	be careful around rooting area. old stump nearby to be removed	0
53.13292161	-6.567762606	EPSPG:2157	695840.8322	710112.8096	70	Beech	1	mature	10 to 20m	B3	Retain if possible	No	may fall outside route, suggest staged veteranisation	0
53.13138719	-6.572958715	EPSPG:2157	695496.5474	709935.1496	69	Scots Pine	1	mature	10 to 20m	B3	Retain if possible	Yes	end of plantation. 25 trees to be removed (+1 fallen tree)	26
53.13082092	-6.574329324	EPSPG:2157	695406.087	709870.3201	68	Scots Pine	10+	mature	10 to 20m	B3	Retain if possible	No	Start of plantation, some will need to be removed if path widens.	5
53.13052823	-6.574962325	EPSPG:2157	695364.377	709836.9123	Beech saplings	Beech	8	young	0 to 5m	B3	Retain if possible	No	Group of beech saplings (not tagged), recommend replanting along road side of path	8
53.13004785	-6.575536653	EPSPG:2157	695327.008	709782.7008	67	hawthorn	6	mature	5 to 10m	B3	Retain if possible	No	Group of mixed trees, hawthorn and elder beside path, sycamores behind. hwh and elder may need to be removed if path widens	0
53.14904859	-6.545315869	EPSPG:2157	697306.351	711937.359	64	larch	1	mature	10 to 20m	A	Retain if possible	No	End of SS plantation	0
53.14867298	-6.546690501	EPSPG:2157	697215.2534	711893.7011	66	Beech	1	young	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	Large, multistemmed, compression union in middle of stem. Reduce limb over path, take care not to disturb rooting area, monitor for KD due to its presence nearby	0
53.14831526	-6.547442526	EPSPG:2157	697165.7594	711852.8806	65	Beech	10	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	Several large beech, GD and suspected KD in some. Some structural compromise. Suggest staged veteranisation.	0
53.14751777	-6.549126953	EPSPG:2157	697054.8882	711761.8675	63	Sitka Spruce	1	mature	10 to 20m	C	Retain if possible	No	start of SS plantation	0
53.14727445	-6.548946574	EPSPG:2157	697067.5024	711735.0413	60	Sitka Spruce	1	mature	10 to 20m	C	Retain if possible	No	End of SS plantation. Approx 30 trees within a 5 m path. May require removal	30
53.1468198	-6.548935175	EPSPG:2157	697069.2903	711684.4722	Suggested route	Sitka Spruce	10+	mature	0 to 5m	C	Should/must be kept	No	This marks a deviation from the mapped route (red), the yellow route indicates follows an existing path and requires fewer trees to be removed (<30) as opposed to the 60+ for the red route.	0
53.14595873	-6.552014351	EPSPG:2157	696865.2581	711584.5005	62	Sitka Spruce	1	mature	20 to 30m	C	Has to be lost	No	SS in middle of path	1
53.1457872	-6.552733853	EPSPG:2157	696817.5146	711564.4428	61	Sitka Spruce	1	young	20 to 30m	C	Retain if possible	No	very near path, may need to be lost	1
53.14570315	-6.552838795	EPSPG:2157	696810.6838	711554.9489	59	Scots Pine	1	mature	10 to 20m	B3	Retain if possible	No	start of Ss plantation	0
53.14570093	-6.552838795	EPSPG:2157	696810.6888	711554.7027	55	larch	1	mature	20 to 30m	B3	Should/must be kept	No	end of dec woodland	0
53.14563256	-6.552945413	EPSPG:2157	696803.7105	711546.9516	58	larch	7	mature	0 to 5m	C	Retain if possible	No	group of larches near path, may have to be lost but avoid if possible	7
53.14533293	-6.553574726	EPSPG:2157	696762.2874	711512.7644	57	larch	7	mature	10 to 20m	C	Retain if possible	No	see 58	0
53.14518533	-6.554005891	EPSPG:2157	696733.7769	711495.7595	56	larch	5	mature	10 to 20m	C	Retain if possible	No	five larches near path, may have to be lost	5
53.14443262	-6.555182375	EPSPG:2157	696656.7675	711410.4253	54	larch	1	mature	20 to 30m	B3	Should/must be kept	No	start of mixed deciduous woodland (larch, alder, elder)	0
53.14444328	-6.555343308	EPSPG:2157	696645.978	711411.3939	53	Sitka Spruce	1	mature	10 to 20m	B3	Retain if possible	No	Hemlock? end if SS plantation	0
53.14342672	-6.556676701	EPSPG:2157	696559.0609	711296.4927	52	Sitka Spruce	10+	mature	20 to 30m	B3	Retain if possible	No	SS plantation	0
53.14333562	-6.556488611	EPSPG:2157	696571.8479	711286.6107	51	Beech	1	veteran	20 to 30m	A	Should/must be kept	Yes	KD and GD spp. infestation. Compression union at 2.5m. Structurally unsound. Reduce to a standing monolith of 6 m and leave as standing deadwood	1
53.14326503	-6.556800082	EPSPG:2157	696551.1698	711278.3371	49	Scots Pine	1	young	20 to 30m	B3	Should/must be kept	No	end of Scots pine group	0
53.14247609	-6.557547078	EPSPG:2157	696502.9667	711189.5534	50	lime	1	mature	20 to 30m	A	Should/must be kept	Yes	due to size and lean, windthrow is possible, suggest staged veteranisation	0
53.14183576	-6.558585428	EPSPG:2157	696434.9375	711116.9117	48	Scots Pine	1	mature	20 to 30m	B3	Should/must be kept	No	start of group	0
53.14224743	-6.558063403	EPSPG:2157	696468.938	711163.4171	47	Sitka Spruce	10+	mature	20 to 30m	B3	Should be kept and protected from damage (e.g. root compaction)	No	ample width for path,	0
53.14158739	-6.559106782	EPSPG:2157	696400.6155	711088.5759	46	Sitka Spruce	10+	mature	10 to 20m	B2	Retain if possible	Yes	start of sitka spruce plantation	0

53.1416077	-6.558856331	EPSG:2157	696417.3251	711091.1731	45	Alder	3	mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No	Three alder on east side of path, moderate ivy cover on two.	0
53.14982	-6.54368	EPSG:2157	697414.0246	712025.4097	40-44	Beech	2	mature	20 to 30m	A	Retain if possible	No	two large beech trees be aware of conflicting tags in area	0
53.15045329	-6.546096727	EPSG:2157	697250.9471	712092.5836	39	Willow	1	mature	5 to 10m	B1	Retain if possible	No	path narrows here, may be necessary to	0
53.15182	-6.546088333	EPSG:2157	697248.4202	712244.6534	38	Willow	3	mature	0 to 5m	B1	Retain if possible	No	group of large sprawling willows, could be cut back on path side	0
53.15200653	-6.545745023	EPSG:2157	697270.9603	712265.8735	37	Alder	1	mature	10 to 20m	B	Retain if possible	No		0
53.15265667	-6.545726667	EPSG:2157	697270.7185	712338.2315	Avenue of larch	larch	1	young	20 to 30m	B3	Retain if possible	No	narrow path if possible to avoid larger species	0
53.15275167	-6.546025	EPSG:2157	697250.5507	712348.3958	36	Beech	1	veteran	20 to 30m	A	Should/must be kept and protected from damage	Yes	GD present, suggest staged veteranisation	1
53.15761241	-6.551816873	EPSG:2157	696852.2375	712881.3459	35	Beech	3	mature	10 to 20m	C	Has to be lost	No	beech with two adjacent hawthorns (one other side of path), if existing entrance is being developed, remove trees, if not,	0-3
53.15711625	-6.55127842	EPSG:2157	696889.3635	712626.872	34	Ash	4	mature	10 to 20m	B3	Retain if possible	No	mature ash with a mature hawthorn	
53.15697	-6.551065	EPSG:2157	696903.9654	712810.8892	33	hawthorn	1	mature	5 to 10m	B3	Retain if possible	Yes	large amount of berries and ivy at time of survey	0
53.15553	-6.542708333	EPSG:2157	697466.0827	712662.0213	Ash/Willow woodland	Ash	1	young	5 to 10m	C	Retain if possible	Yes		0
53.15511385	-6.540662907	EPSG:2157	697603.8199	712618.5081	31	Alder	1	mature	10 to 20m	B3	Retain if possible	No		0
53.15526833	-6.541033333	EPSG:2157	697578.6961	712635.1905	32	Ash	1	mature	10 to 20m	B3	Retain if possible	Yes		0
53.15569146	-6.537678614	EPSG:2157	697802.0912	712686.8454	30	Elder	3	mature	10 to 20m	C	Retain if possible	No		0
53.15599	-6.537336667	EPSG:2157	697824.2811	712720.5277	29	Elder	1	mature	5 to 10m	A	Retain if possible	No		0
53.15714299	-6.53616216	EPSG:2157	697900.205	712850.4137	willow woodland	Willow	1	semi mature	5 to 10m	C2	Retain if possible	No	large group of willow woodland, if path needs to be widened, remove trees as	0
53.15763895	-6.534980647	EPSG:2157	697978.0893	712907.2104	28	larch	2	mature	10 to 20m	U	Retain if possible	Yes	standing deadwood, definite hazard due to height. reduce to manageable height and leave remaining deadwood standing	1
53.15773203	-6.534909569	EPSG:2157	697982.6307	712917.6636	27 (end of group)	Alder	1	mature	10 to 20m	B3	Retain if possible	No	end of willow/elder woodland, which runs either side of path (can be seen from	0
53.15851647	-6.534346305	EPSG:2157	698018.5114	713005.7104	26	Willow	1	young	5 to 10m	B3	Retain if possible	No	salix/elder woodland	0
53.15854019	-6.534448229	EPSG:2157	698011.6414	713008.2101	25	sycamore	4	mature	10 to 20m	B3	Retain if possible	No	small custer	0
53.15867	-6.534441667	EPSG:2157	698011.7845	713022.662	24 (end of group)	larch	10+	mature	10 to 20m	B3	Retain if possible	No	end of large group	0
53.15906167	-6.534661667	EPSG:2157	697996.1804	713065.9372	23	larch	10+	mature	10 to 20m	B3	Retain if possible	No	large group 50+ trees, mostly larch, contains some acer trees on lakeside of path (within fence) could be removed if necessary	0
53.1594589	-6.534878388	EPSG:2157	697980.7831	713109.8359	22	Acer sp.	10+	mature	10 to 20m	B3	Retain if possible	No	end of group	0
53.15983984	-6.534808315	EPSG:2157	697984.6014	713152.3156	21	Acer sp.	10+	mature	10 to 20m	B3	Retain if possible	No	12+ trees, with some larch	0
53.16002861	-6.534556858	EPSG:2157	698000.9866	713173.6614	20	larch	10+	mature	10 to 20m	B3	Retain if possible	Yes	group of trees	0
53.1603802	-6.53395135	EPSG:2157	698040.676	713213.6084	19	Acer spp.	10+	mature	10 to 20m	B3	Retain if possible	No	group comprising acers and larches	0
53.160545	-6.533478333	EPSG:2157	698071.9309	713232.5921	18	Acer spp.	1	mature	10 to 20m	B3	Retain if possible	No		0
53.160545	-6.533478333	EPSG:2157	698071.9309	713232.5921	17	larch	6	mature	5 to 10m	B3	Retain if possible	No		0
53.16061117	-6.533378698	EPSG:2157	698078.4427	713240.0911	16	larch	6	mature	5 to 10m	B3	Retain if possible	No		0
53.16068877	-6.533339471	EPSG:2157	698080.8889	713248.7779	15	Acer spp.	1	veteran	10 to 20m	B3	Retain if possible	No	retention for standing dead wood, mitigate risk factor	0
53.17034333	-6.529953333	EPSG:2157	698285.2553	714327.5811	14	Beech	1	mature	20 to 30m	A	Should/must be kept	Yes	compression union, some necrosis, covered in ivy	0
53.1703848	-6.529717483	EPSG:2157	698300.9282	714332.5181	13	Beech	1	mature	20 to 30m	A	Should/must be kept	Yes	some necrosis in crown on north side. slight lean towards lake	0
53.1709427	-6.526458934	EPSG:2157	698517.4984	714399.071	10+	Alder	1	mature	20 to 30m	B	Has to be lost	No		5
53.17097167	-6.526355	EPSG:2157	698524.3804	714402.4364	11	Alder	1	mature	20 to 30m	B	Has to be lost	No		0
53.171075	-6.525701667	EPSG:2157	698567.8212	714414.8327	10 (end of 9)	Willow	1	semi mature	5 to 10m	C	Has to be lost	Yes		10
53.17106872	-6.525519155	EPSG:2157	698580.0371	714414.3849	9	Willow	1	young	5 to 10m	C	Has to be lost	No	start of group	0
53.17104681	-6.525426283	EPSG:2157	698586.2961	714412.0756	8	Scots Pine	3	veteran	10 to 20m	A3	Retain if possible	No	group of Scots and beech. manmade veteran Scots	0
53.17104882	-6.525063179	EPSG:2157	698610.5662	714412.7994	7 (end of 6)	Ash	1	young	5 to 10m	C	Has to be lost	No	end of group, chestnut, ash, sycamore woodland (approx 50 small trees to be lost)	50
53.17113082	-6.52367413	EPSG:2157	698703.2405	714423.8371	6	chestnut	1	young	0 to 5m	C	Has to be lost	No	young horse chestnut, start of group	0

53.17114127	-6.523587629	EPSG:2157	698708.9994	714425.1191	5	Ash	1	mature	20 to 30m	A	Should/must be kept	No	Multiple stems, possible old coppiced stool. No obvious signs of HF	0
53.17122186	-6.523325108	EPSG:2157	698726.3648	714434.4476	4 (end)	Alder	1	semi mature	5 to 10m	C	Has to be lost	No	end of group	10
53.17132656	-6.523074321	EPSG:2157	698742.8902	714446.4432	4 (start)	Alder	1	semi mature	5 to 10m	C	Has to be lost	No	featuring some saik spp.	0
53.17149196	-6.522577442	EPSG:2157	698775.7281	714465.5311	3	Alder	2	mature	10 to 20m	C	Has to be lost	Yes	heavily ivied crown	1
53.1713963	-6.522947922	EPSG:2157	698751.1802	714454.3765	2	Sitka Spruce	1	mature	10 to 20m	C	Has to be lost	Yes	ivy in upper crown	1
53.17175142	-6.52182844	EPSG:2157	698825.2047	714495.4319	1	Alder	1	mature	5 to 10m	C	Retain if possible	No	Possible previous coppiced stool (multistem). Slight risk of windthrow	0

Total trees to be lost in Blessington	791
Total trees to be lost in Ballyboys (part 1)	250
Total trees to be lost in this section	1041

Ballyboys Part 2

Lat	Lon	C#Name	X(ITM:2157)	Y(ITM:2157)	name	Species	number of trees	Age	Height	Arbicultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed
53.15038714	-6.535223387	EP5G2157	697978.3664	712100.0497	212	Oak	3	semi mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No	two oak and one ash crown raise and clear storm damage for both oak to appropriate pathway height remove ash	1
53.15041667	-6.535076667	EP5G2157	697988.1127	712103.5354	211	Oak	1	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	No	room to move path remove large diameter deadwood end of group - trees within striking distance all healthy trees, no signs of fungal infection suggest canopy reduction	0
53.15036167	-6.534378333	EP5G2157	698034.9463	712098.3723	210	Oak	1	mature	10 to 20m	B3	Retain if possible	Yes	room to move path adjacent to tree reduce to a standing monolith of 6m start of new group - trees within striking distance	0
53.15028667	-6.534043333	EP5G2157	698057.5239	712090.4867	204	Beech	4	mature	10 to 20m	B3	Has to be lost	Yes	four beech (two of which veteran) have to be removed end of line of beech	4
53.15022167	-6.53375	EP5G2157	698077.2918	712083.6567	209	Beech	1	mature	20 to 30m	A3	Should must be kept	Yes	northern stem leaving heavily over the path	0
53.15001667	-6.533561667	EP5G2157	698090.3558	712061.1066	208	Beech	1	veteran	20 to 30m	B3	Should be kept and protected from damage (e.g. root compaction)	Yes	heavily hollowed remove upper crown, natural fracture pruning	0
53.14986667	-6.533116667	EP5G2157	698120.4621	712045.0276	207	Beech	1	young	20 to 30m	A3	Should must be kept	Yes	GD present	0
53.149775	-6.53296	EP5G2157	698131.15	712035.0436	206	Beech	1	veteran	20 to 30m	A3	Should must be kept	Yes	KD and GD present inclination is away from path	0
53.14972333	-6.53289	EP5G2157	698135.9499	712029.3912	205	Beech	1	mature	20 to 30m	A3	Should must be kept	Yes	GD present no signs of physiological stress	0
53.14943333	-6.532395	EP5G2157	698169.7202	711997.8048	Line of beech trees	Scot Pine	10+	mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	Yes	trees on private land reduce canopy on path side	0
53.14924167	-6.531775	EP5G2157	698211.6275	711977.3306	203	Acer sp.	1	mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	Yes	canopy reduction big on northern limb start of group - trees within striking distance	0
53.15044103	-6.534635983	EP5G2157	698017.5325	712106.8492	200	Willow	1	semi mature	0 to 5m	C	Retain if possible	No	end of willow line approx 30-40 semi mature dec trees to be removed	40
53.14958124	-6.531758979	EP5G2157	698211.9242	712015.1334	202	Ash	1	semi mature	10 to 20m	C	Retain if possible	No	end of ash TLN approx 5-10 trees to be lost	10
53.14935725	-6.531170905	EP5G2157	698251.77	711991.0186	201-202	Ash	1	semi mature	10 to 20m	C	Has to be lost	No	start of ash TLN	1
53.14867861	-6.529396623	EP5G2157	698371.9976	711917.951	199	Willow	1	semi mature	5 to 10m	C	Has to be lost	No	start of willow treeline	1
53.14847834	-6.529023796	EP5G2157	698397.3932	711896.161	group of DEC trees	Elder	1	mature	5 to 10m	A	Should must be kept	No	mix of elder, ash, hawthorn and blackthorn, confines to private steps/access point (see photos) no room to avoid trees suggest narrowing path to reduce impacts 15-25 semi mature/mature trees to be removed depending on path width	25
53.14819542	-6.528730094	EP5G2157	698417.6854	711865.1074	planned route is very near bank room to move it along west through bracken	Scot Pine	1	young	0 to 5m	A	Should must be kept	Yes		0
53.1482296	-6.528583579	EP5G2157	698427.4075	711869.1121	mature elder	Elder	1	mature	0 to 5m	A3	Should be kept and protected from damage (e.g. root compaction)	No	aesthetic and ecological value	0

53.14831305	-6.528693885	EPSPG2157	698419.8384	711878.2448	mature hawthorn	hawthorn	1	mature	5 to 10m	A3	Should be kept and protected from damage (e.g. root compaction)	No	difficult to access and tag aesthetic and ecological value	0
53.14808321	-6.52842164	EPSPG2157	698438.5741	711853.0479	willow group	Willow	10+	semi mature	5 to 10m	C	Has to be lost	No	group of willow (+1 birch) to be removed	15
53.14785297	-6.528127268	EPSPG2157	698458.7911	711827.8366	ash on high ridge	Ash	2	semi mature	5 to 10m	B3	Retain if possible	Yes	exposed ash tree on raised ground, risk of subsidence. remove if necessary	1
53.14719422	-6.527758464	EPSPG2157	698484.9675	711755.052	group of trees	Willow	10+	semi mature	5 to 10m	C	Has to be lost	No	mostly salk, one SS	10
53.14695533	-6.527554952	EPSPG2157	698499.1272	711728.7534	198	Alder	2	semi mature	5 to 10m	C	Retain if possible	No	end of alder tree line, 10-20 trees to be lost	20
53.14651475	-6.527333334	EPSPG2157	698514.9598	711680.0396	196	Willow	1	semi mature	5 to 10m	C	Has to be lost	No	15-30 trees to be lost depending on path width, mostly willow	30
53.14657025	-6.527348422	EPSPG2157	698513.8235	711686.1937	197	Alder	10+	semi mature	5 to 10m	C	Retain if possible	No	stand of alder, remove as necessary start of young alder tree line	0
53.14642888	-6.527376585	EPSPG2157	698512.2632	711670.4268	Tree group	hawthorn	3	mature	5 to 10m	A	Should be kept and protected from damage (e.g. root compaction)	No	mature hawthorns and elder, ecological value re fruit aesthetic value for Greenway prune limbs to desired path height if deemed necessary	0
53.14550306	-6.526841149	EPSPG2157	698550.199	711568.1576	195	Willow	1	semi mature	0 to 5m	C	Retain if possible	No	start of willow tree line	0
53.14525189	-6.526601426	EPSPG2157	698566.8099	711540.5432	186	Willow	1	semi mature	5 to 10m	C	Retain if possible	No	end of WLW WLN approx 50-60 trees, mostly willow, to be removed	60
53.14513546	-6.526698656	EPSPG2157	698560.5725	711527.455	194	Beech	1	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	No	reduce end weight by 2m over the path, dynamic cable brace	0
53.14427496	-6.525682099	EPSPG2157	698630.5453	711433.1174	Fallen ash	Ash	1	semi mature	5 to 10m	C	Has to be lost	No		1
53.14403022	-6.525485292	EPSPG2157	698644.2715	711406.1593	193	Willow	1	mature	5 to 10m	A	Should must be kept	No	crown raise to suit path height remove limbs in way of path back to suitable growth points	0
53.14365919	-6.52520299	EPSPG2157	698664.0066	711365.2678	192	Ash	1	semi mature	20 to 30m	B3	Retain if possible	No	potential signs of HF Prune lower limbs over path	0
-	-	EPSPG2157	-	-	78* (spare tag)	Willow	1	mature	5 to 10m	A3	Should must be kept	No	Tree of local importance Location unknown but unlikely to be on path due to position in photo, very near shoreline (marked as 78)	0
53.14340339	-6.525142975	EPSPG2157	698668.6077	711336.8902	large ash	Ash	1	semi mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	dynamic bracing	0
53.14303718	-6.524856649	EPSPG2157	698688.6013	711296.5407	broken ash	Ash	1	semi mature	10 to 20m	C	Retain if possible	No	remove broken limb reduce crown height	0
53.14299092	-6.524676606	EPSPG2157	698700.7517	711291.6427	191	Beech	3	mature	10 to 20m	B	Has to be lost	Yes	two beech one ash rooting area had been eroded remove dead and dying overhanging trees high failure risk factor ash to be removed with northern beech at bank, remove any other protruding trees/limbs	2
53.14269148	-6.524502598	EPSPG2157	698713.079	711258.5666	190	Ash	2	semi mature	20 to 30m	C	Has to be lost	Yes	lakeside tree - remove taller tree - remove ivy at discretion of worker	1
53.14255875	-6.524398327	EPSPG2157	698720.3588	711243.9429	189	Ash	1	semi mature	5 to 10m	C	Has to be lost	Yes	rooting area exposed	1
53.14242601	-6.524378881	EPSPG2157	698721.9641	711229.2023	188	Beech	1	mature	20 to 30m	A	Has to be lost	Yes	staged veteranisation	0
53.14211229	-6.524273604	EPSPG2157	698729.7264	711194.4423	Same as 187	Ash	2	semi mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	No	remove ivy to manageable height dynamic cable bracing	0
53.14196789	-6.524246112	EPSPG2157	698731.8967	711178.4148	187	Ash	1	mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	No	regeneration from an older stool circumference of proposed stool (~8m) recommend dynamic cable bracing in a ring formation	0
53.141935	-6.524008333	EPSPG2157	698747.8792	711175.0836	185	Ash	1	semi mature	10 to 20m	C	Has to be lost	Yes	ivy cover exposed root plate risk of failure, remove to a standing monolith (4m) if possible. Start of group - WLW WLN	1
53.14185466	-6.523966826	EPSPG2157	698750.8402	711166.2027	182	Willow	1	semi mature	5 to 10m	C	Has to be lost	No	end of mature MXD WLN	1
53.14180036	-6.523986608	EPSPG2157	698749.6414	711160.1341	184	Beech	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	No	beech mast important food source	0

53.14139311	-6.523711011	EPSSG2157	698769.0129	7111152041	183	Willow	2	mature	5 to 10m	B3	Retain if possible	No	route side limbs to be pruned retain as much as possible	0
53.14114252	-6.523613445	EPSSG2157	698776.1149	7110874587	hawthorn	hawthorn	1	semi mature	5 to 10m	B3	Retain if possible	No		0
53.140435	-6.522915	EPSSG2157	698824.4648	7110097043	181	Alder	1	semi mature	5 to 10m	C	Has to be lost	No	start of semi mature MXD WLN	1
53.14044224	-6.522896902	EPSSG2157	698826.328	7110105486	line of apples	Crab Apple	3	semi mature	0 to 5m	B3	Has to be lost	No	remove as necessary	3
53.14044023	-6.522825547	EPSSG2157	698830.4373	7110104095	180	Ash	1	semi mature	10 to 20m	C	Should/must be kept	No	signs of HF staged veteranisation	0
53.14022926	-6.522649527	EPSSG2157	698842.6976	710987.18	179	Alder	4	mature	0 to 5m	B3	Has to be lost	No	one mature alder two apple one semi mature ash (no signs of HF) remove alder and adjacent apple, retain apple adjacent to ash if possible reduce ash limb weight over path to suitable growth points at the chainsaw operators discretion	2
53.1397524	-6.521476731	EPSSG2157	698922.2547	710935.7456	177	Willow	1	semi mature	0 to 5m	C	Has to be lost	No	end of semi mature willow WLN, 5+ trees to be lost	5
53.13962791	-6.521374136	EPSSG2157	698929.4045	710922.0364	177	Willow	1	semi mature	10 to 20m	C	Has to be lost	No	start of semi-mature willow WLN	1
53.13959167	-6.521395	EPSSG2157	698928.092	710917.9754	176	hawthorn	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	No	Mature hawthorn, will produce many haws, high ecological value sufficient space to pass to pass by	0
53.1395734	-6.521441527	EPSSG2157	698925.0212	710915.8793	175	Ash	1	semi mature	10 to 20m	A	Should be kept and protected from damage (e.g. root compaction)	Yes	cankers on stems remove stems back to height of 4m (natural fracture)	0
53.13951488	-6.521325521	EPSSG2157	698932.9167	710909.528	170	Willow	1	mature	5 to 10m	C	Retain if possible	No	limbs over route to be pruned end of mature willow WLN 40+ trees (mostly mature willow) to be removed	40
53.13956333	-6.521398333	EPSSG2157	698927.9341	710914.8184	174	Oak	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	No	room for route to avoid be sympathetic to roofing area Peniophora sp. near base mitigate small diameter deadwood leave stubs	0
53.13938214	-6.521152854	EPSSG2157	698944.7736	710894.9981	173	Alder	1	mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No	compression union at base possibly two trees	0
53.13908568	-6.520772651	EPSSG2157	698970.8916	710862.5404	172	Oak	1	semi mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	Yes		0
53.13863798	-6.520287506	EPSSG2157	699004.3787	710813.4003	171	Apple	1	mature	5 to 10m	A3	Should/must be kept	No		0
53.13832523	-6.519762464	EPSSG2157	699040.2254	710779.3302	169	Willow	2	mature	5 to 10m	C	Has to be lost	Yes	start of willow WLN	0
53.13824833	-6.519508333	EPSSG2157	699057.4047	710771.1266	164	Alder	1	mature	5 to 10m	B3	Retain if possible	Yes	end of WLN group 40+ small-medium trees to be removed	40
53.13822667	-6.519486667	EPSSG2157	699058.9041	710768.746	168	Alder	3	mature	10 to 20m	B3	Retain if possible	No	similar to 167, room on lake side to avoid these trees (see picture)	0
53.13815608	-6.519349404	EPSSG2157	699068.25	710761.0824	167	Ash	1	mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	No	Room for path to go around, suggest crown raise to accommodate path, reduce end weight of limb over tack (natural fracture prune)	0
53.13807	-6.519206667	EPSSG2157	699077.9979	710751.7029	point D								4 mature trees to be removed if original route is followed (photo looks back on path, original on left, suggested on right)	
53.13797667	-6.519188333	EPSSG2157	699079.4392	710741.3442	point C									
53.13789833	-6.519086667	EPSSG2157	699086.4215	710732.7696	point B									
53.13786667	-6.518951667	EPSSG2157	699095.5265	710729.4333	Suggest diversion A-D (Point A)	Willow	1	mature	5 to 10m	B3	Retain if possible	No	route runs through wet area and dense mature willow, suggest reroute by 5m to take advantage of open space and reduce number of trees to be removed	0
53.13782562	-6.518948413	EPSSG2157	699095.8386	710724.8715	166	Alder	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	No	retain this alder and protect from root damage	0

53.13744207	-6.518810615	EPSG:2157	699105.9408	710682.3884	163	Scots Pine	5	mature	10 to 20m	C	Retain if possible	No	group of 5 elders start of group: MXD DEC WLN (wilw, alder) big 162 lost to swamp	0
53.13737871	-6.518771723	EPSG:2157	699108.6888	710675.3933	end of MXD WLN	Willow	1	mature	10 to 20m	C	Has to be lost	Yes	mx of largely willow with some alder and larch. remove as necessary (approx 50 trees)	50
53.13632075	-6.519035921	EPSG:2157	699093.4472	710557.3201	165	Willow	2	mature	10 to 20m	B3	Retain if possible	No	two large willows to be removed	2
53.13495803	-6.519499943	EPSG:2157	699065.5358	710405.0637	start of MXD WLN	Willow	1	semi mature	0 to 5m	C	Has to be lost	No	mxed woodland, route carves a path right through. Accurate count difficult	0
53.13489306	-6.519540511	EPSG:2157	699062.9708	710397.7792	end of willow scrub	Willow	1	semi mature	5 to 10m	C	Has to be lost	No	hard to get accurate count. Dense willow scrub. 30+ small dec trees to be removed along with two windfall conifers	32
53.13480697	-6.519582421	EPSG:2157	699060.3647	710388.1431	161	Ash	1	mature	10 to 20m	U	Has to be lost	No	HF observed remove	1
53.13432683	-6.519747041	EPSG:2157	699050.4544	710334.4966	start of willow/ alder scrub	Willow	1	semi mature	5 to 10m	C	Has to be lost	No	group of dec trees to be lost	1

Total trees to be lost in Section 2	403
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Lacken																
Lat	Lon	C#Name	X	Y	name	Species	number of trees	Age	Height	Arbocultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed		
53.16918833	-6.520123333	EP5G2157	698945.0916	714212.6212	2	Scot Pine	1	semi mature	20 to 30m	C	Retain if possible	no	end of sp plantation approx 450 trees to be lost	450		
53.1672217	-6.523380764	EP5G2157	698731.8267	713989.3174	235	Scot Pine	1	semi mature	20 to 30m	C	Has to be lost	no	start of sp plantation, some ash in vicinity	1		
53.16719718	-6.523451507	EP5G2157	698727.1531	713986.4917	234	Ash	1	semi mature	10 to 20m	B3	Retain if possible	no		0		
53.16709833	-6.523496667	EP5G2157	698724.3606	713975.4316	231	Sika Spruce	1	young	0 to 5m	C	Has to be lost	no	end of SS plantation 600m approx 300 SS to be lost	300		
53.16478833	-6.525723333	EP5G2157	698580.781	713715.3543	233	Beech	1	veteran	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	no	room to narrow path reduce to standing monolith of 4m sever ivy in adjacent beeches	0		
53.16365415	-6.525966078	EP5G2157	698567.1492	713588.8318	232	Acer sp.	1	mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	no		0		
53.16199667	-6.525623333	EP5G2157	698593.8655	713404.894	230	Sika Spruce	1	mature	20 to 30m	A	Has to be lost	no	start of SS plantation	0		
53.16189	-6.525576667	EP5G2157	698597.2305	713393.0907	229	Acer sp.	3	mature	10 to 20m	C	Has to be lost	no		3		
53.16183438	-6.525653265	EP5G2157	698592.236	713386.797	227	Scot Pine	1	young	10 to 20m	C	Has to be lost	no	end of SP plantation 700m - 450-500 trees to be lost	500		
53.16130832	-6.525401138	EP5G2157	698610.301	713328.6149	228	Ash	1	semi mature	20 to 30m	A	Should be kept and protected from damage (e.g. root compaction)	no	room for path to bypass	0		
53.15878042	-6.520676427	EP5G2157	698932.0481	713053.8835	start of SP plantation	Scot Pine	1	semi mature	20 to 30m	B3	Has to be lost	no	start of plantation	0		
53.15798935	-6.520280801	EP5G2157	698960.324	712966.4173	226	Alder	3	semi mature	10 to 20m	C	Has to be lost	no	group of alder, remove where necessary	3		
53.15668864	-6.520803832	EP5G2157	698928.3377	712820.9782	HWH TLN	hawthorn	1	semi mature	0 to 5m	B3	Retain if possible	no	suggest narrowing path remove hawthorn as necessary	0		
53.15618985	-6.52088991	EP5G2157	698917.0402	712765.2267	225	Ash	1	semi mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	yes	remove large diameter deadwood improve rooting area	0		
53.15614667	-6.521061667	EP5G2157	698912.3407	712760.3229	224	Scot Pine	1	young	10 to 20m	B3	Has to be lost	yes	end of plantation approx 420 trees to be lost	420		
53.151165	-6.522885	EP5G2157	698801.8398	712203.5509	223	Scot Pine	1	semi mature	20 to 30m	B3	Has to be lost	yes	mix of Pinus sp. Start of SP plantation	0		
53.150745	-6.522436667	EP5G2157	698832.7907	712157.4411	222	Alder	1	semi mature	10 to 20m	B3	Should/must be kept	no	end of willow/alder woodland	10		
53.1499482	-6.522341408	EP5G2157	698840.992	712068.9219	221	Willow	1	mature	10 to 20m	B3	Should/must be kept	no	room to avoid start of group - willow woodland	0		
53.14961241	-6.522188187	EP5G2157	698852.0117	712031.7736	220	Scot Pine	1	semi mature	10 to 20m	B3	Has to be lost	no	end of SP plantation approx 95 trees to be lost	95		
53.14819667	-6.520856667	EP5G2157	698944.3272	711876.0993	219	Scot Pine	1	semi mature	10 to 20m	B3	Has to be lost	no	start of SP plantation	0		
53.14803918	-6.520650946	EP5G2157	698958.4497	711858.8614	end of w/w wln	Willow	1	young	5 to 10m	B3	Has to be lost	no	as before	20		
53.14777576	-6.520195976	EP5G2157	698989.4881	711830.1829	w/w wln	Willow	1	semi mature	5 to 10m	B3	Retain if possible	no	a lot of this will have to be removed suggest narrow path and retain trees where possible	0		
53.13916472	-6.50034897	EP5G2157	700337.1111	710899.7606	end of w/w/alder scrub	Willow	1	young	0 to 5m	C	Has to be lost	no		20		
53.14620004	-6.517442688	EP5G2157	699177.2846	711658.6816	end of conifer line	Sika Spruce	1	semi mature	5 to 10m	C	Has to be lost	no	approx 30 trees to be lost	30		
53.14429507	-6.513782144	EP5G2157	699426.5454	711451.8146	start of conifer line	Sika Spruce	1	semi mature	5 to 10m	C	Has to be lost	no	start of line of conifers	0		
53.13842116	-6.498635039	EP5G2157	700453.5125	710819.4368	start of w/w/alder scrub	Willow	1	semi mature	0 to 5m	B3	Has to be lost	no	large section of willow alder scrub	0		
53.1383017	-6.498012766	EP5G2157	700495.4238	710807.0181	Large Ash	Ash	1	semi mature	10 to 20m	B3	Should be kept and protected from damage (e.g. root compaction)	no	be sympathetic to rooting area	0		
53.13696378	-6.494568475	EP5G2157	700728.9906	710663.0035	218	Sika Spruce	1	semi mature	5 to 10m	C	Has to be lost	yes	end of SS plantation approx 20 trees to be lost	20		
53.13678167	-6.49401	EP5G2157	700766.7821	710643.5282	217	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	start of SS plantation	0		
53.13667253	-6.493979394	EP5G2157	700769.0853	710631.4293	216	Willow	1	semi mature	0 to 5m	C	Retain if possible	no	end of group approx 5 willow/hawthorn to be lost	5		
53.136437	-6.492609791	EP5G2157	700861.2723	710607.1532	215	Willow	1	semi mature	0 to 5m	C	Retain if possible	no	start of group - some isolated willow to be removed	0		
53.13600898	-6.489732116	EP5G2157	701054.813	710563.5901	214	hawthorn	1	semi mature	0 to 5m	B3	Retain if possible	no	end of group 20+ willow to be lost 10+ hawthorn (retain where possible)	20		
53.13577727	-6.488416493	EP5G2157	701143.8824	710539.6679	213	Willow	10+	semi mature	10 to 20m	C	Has to be lost	no	start of group - willow scrub	0		
Total trees to be lost in Section 3														1897		

Ballyknocken

Lat	Lon	CSName	X(TM:2157)	Y(TM:2157)	name	Species	number of trees	Age	Height	Arbocultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed
53.10910519	-6.501915045	EPGS2157	7003023017	7075532051	end of sp plantation	Scots Pine	1	semi mature	20 to 30m	B3	Has to be lost	yes	6 trees to be lost	6
53.10960271	-6.501565352	EPGS2157	7003245554	7076090479	start of sp plantation	Scots Pine	1	semi mature	10 to 20m	B3	Retain if possible	yes	clear as necessary	0
53.10986333	-6.50145	EPGS2157	7003316714	7076382053	alder stand	Alder	1	semi mature	5 to 10m	C	Has to be lost	no	remove as necessary	1
53.11110491	-6.499868184	EPGS2157	7004346779	7077785566	start of low density birch	Birch	1	young	5 to 10m	A	Should/must be kept	yes		0
53.1104466	-6.500835791	EPGS2157	7003714333	7077039584	end of db	Birch	1	young	0 to 5m	A	Should/must be kept	no	approx 50 trees	50
53.1111041	-6.49822922	EPGS2157	7004377099	7077785305	end of birch	Birch	1	young	0 to 5m	A	Should/must be kept	yes		0
53.11084971	-6.4979323	EPGS2157	7005648736	7077528809	birch win	Birch	1	semi mature	5 to 10m	C	Should/must be kept	no		0
53.11085817	-6.497775726	EPGS2157	700575336	7077540412	266	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	no	210m/4/0m approx 84 trees to be lost if natural path AB is used	84
53.11089167	-6.496775	EPGS2157	7006422531	707759.174	Bend of nat path	Scots Pine	1	young	0 to 5m	A	Should/must be kept	yes		0
53.1100206	-6.495818049	EPGS2157	7007060597	7077728016	A	Scots Pine	1	young	0 to 5m	A	Should/must be kept	yes		0
53.11126047	-6.493788287	EPGS2157	7008413404	7078044075	265	Fir sp.	1	mature	30 plus	A2	Should be kept and protected from damage (e.g. root compaction)	no	retain and protect start of SS plantation	0
53.11141363	-6.493683681	EPGS2157	700847985	7078215944	birch	Birch	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	no	adjacent to path be sympathetic to rooting area control ivy	
53.11158087	-6.493627019	EPGS2157	7008513869	707840281	end of MXD con tn	Pinus sp.	1	semi mature	10 to 20m	C	Should/must be kept	yes	restricted access, count difficult approx 4/10 m, 210m	84
53.11359093	-6.491976455	EPGS2157	7009571759	708066241	MXD CON TLN	Scots Pine	1	young	30 plus	B3	Should/must be kept	yes	estm dense @ 4/10	0
53.11360321	-6.491914429	EPGS2157	7009612993	7080676942	end of MXD dec wh	Willow	1	semi mature	5 to 10m	B3	Retain if possible	no	moderate conservation value clear for path as necessary suggest narrowing to minimise impact 30-50 trees to be lost	50
53.11422	-6.490728333	EPGS2157	7010392532	7081379897	start of MXD dec wh	Willow	1	young	0 to 5m	A	Should/must be kept	yes		0
53.11433915	-6.49064742	EPGS2157	7010443903	7081513598	264	Pinus sp.	1	semi mature	20 to 30m	C	Retain if possible	no	this line marks end of MXD con pl 440m @ 4 trees/10m	176
53.11699	-6.485943333	EPGS2157	7013530523	7084529342	263	Sika Spruce	1	young	20 to 30m	C	Has to be lost	yes	start of SS plantation	0
53.11734797	-6.485485509	EPGS2157	7013828554	7084934094	spruce to be lost	Norway Sp	1	semi mature	0 to 5m	C	Should/must be kept	yes		0
53.11744436	-6.485278308	EPGS2157	7013964979	7085044265	end of CON PLT	Pinus sp.	1	semi mature	10 to 20m	C	Has to be lost	yes	10-20 trees to be lost approx	20
53.11769106	-6.484827027	EPGS2157	7014261243	7085325129	start of CON PLT	Pinus sp.	1	semi mature	20 to 30m	C	Retain if possible	yes	restricted access, numbers difficult to judge	0
53.11778684	-6.484634578	EPGS2157	7014387805	708543442	end of MXD dec wh	Birch	1	young	0 to 5m	B3	Has to be lost	no	access restricted, details unknown	0
53.11835228	-6.483283751	EPGS2157	7015278669	7086082649	mx d dec wh	Birch	1	semi mature	5 to 10m	B3	Has to be lost	no	access restricted, hard to get accurate figure	0
53.11824667	-6.483125	EPGS2157	7015387417	70859674	wind blown area to be cleared	Scots Pine	1	young	0 to 5m	A	Should/must be kept	yes	approx 5 trees to be lost	5
53.1184054	-6.483060122	EPGS2157	7015427103	7086149222	261	Sika Spruce	1	mature	20 to 30m	C	Retain if possible	yes	end of SS plantation 275m @ 4 trees/10m	110
53.11853333	-6.482731667	EPGS2157	7015643938	708629.1915	262	Oak	1	semi mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	no	remove windblow leave as is	0
53.11901368	-6.481314003	EPGS2157	701658.1512	708684.6456	end of windblow									
53.11949278	-6.480895914	EPGS2157	701685.0048	708738.5423	lone poplar	Birch	1	semi mature	0 to 5m	B3	Retain if possible	no	near path, not on it access restricted	0
53.11953564	-6.480730288	EPGS2157	701695.9895	708743.5458	start of windblow area									
53.12063929	-6.479613818	EPGS2157	701768.1113	708867.9213	260	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	yes	start of SS plantation	0
53.12071716	-6.479521617	EPGS2157	701774.0985	708876.7157	259	Scots Pine	1	semi mature	20 to 30m	C	Has to be lost	yes	end of sp plantation 110m @ 4 trees/10 m -44 trees to be lost	44

53.12165667	-6.478991667	EPSPG2157	701807.3486	708981.9963	258	Scots Pine	1	semi mature	20 to 30m	C	Retain if possible	yes	start of sp plantation GPS error - this point marks the start of the plantation, however planned path is slightly to the north	0
53.12166333	-6.4786	EPSPG2157	701833.547	708983.2949	257	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	yes	end of SS plantation 160m @ 5 trees/10m -80 trees to be lost	80
53.12310042	-6.478272378	EPSPG2157	701852.077	709143.6477	256	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	start of SS plantation	0
53.12355667	-6.478288333	EPSPG2157	701849.9305	709194.3858	255	Scots Pine	1	semi mature	20 to 30m	B3	Retain if possible	yes	end of sp plantation existing room for path approx 75 trees to be lost	75
53.12524833	-6.47796	EPSPG2157	701867.9043	709383.0636	254	Scots Pine	1	semi mature	10 to 20m	B3	Retain if possible	yes	start of sp plantation	0
53.12525167	-6.477923333	EPSPG2157	701870.3503	709383.4867	253	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	no	end of spruce plantation 200m @ 5 trees per 10m -100 trees to be lost	100
53.12662447	-6.477779858	EPSPG2157	701876.7054	709536.4255	252	Sika Spruce								0
53.12696125	-6.477880441	EPSPG2157	701869.1778	709573.7514	start of SS plantation	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	start of SS plantation tag at 252	0
53.12697694	-6.478095017	EPSPG2157	701854.7809	709575.1921	251	Sika Spruce	1	mature	20 to 30m	C	Has to be lost	no	line marks end of SS plantation 450 m @ 5 trees per 10 m - 225 trees to be lost	225
53.13058817	-6.478819214	EPSPG2157	701797.7811	709975.9401	multiple windblow	Sika Spruce	1	semi mature	0 to 5m	C	Has to be lost	yes		0
53.131195	-6.479041667	EPSPG2157	701781.4613	710043.138	250	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	no	start of SS plantation	0
53.13134716	-6.479116268	EPSPG2157	701776.1098	710059.9606	end of willow win	Willow	1	young	0 to 5m	C	Should/must be kept	yes	15-20 trees to be lost	20
53.13155495	-6.479170583	EPSPG2157	701771.9843	710083.0025	249	Willow	1	semi mature	5 to 10m	B3	Should/must be kept	no	start of willow win	0
53.13159	-6.479146667	EPSPG2157	701773.5018	710086.9356	248	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	end of SS plantation 120m @ 7 trees per 10 m approx 84 trees to be lost	84
53.13258667	-6.479691667	EPSPG2157	701734.6791	710197.048	247	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	no	start of SS plantation	0
53.13266167	-6.479823333	EPSPG2157	701725.8917	710205.2053	246	Willow	1	semi mature	5 to 10m	B3	Retain if possible	yes	end of willow woodland, very wet. 10-20 trees to be lost	20
53.13287167	-6.480023333	EPSPG2157	701711.8132	710228.2853	245	Willow	1	semi mature	5 to 10m	B3	Retain if possible	no	willow woodland retain where possible	0
53.1329	-6.480111667	EPSPG2157	701705.8357	710231.3122	243	Sika Spruce	1	semi mature	20 to 30m	C	Has to be lost	no	end of SS plantation approx 15-20 trees to be lost (incl. since willow) rhododendron in immediate vicinity	20
53.13324833	-6.480401667	EPSPG2157	701685.6086	710269.6551	244	Willow	1	mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	no	remove small diameter deadwood reduce limbs over path be sympathetic to rooting area	0
53.13340333	-6.48074	EPSPG2157	701662.6043	710286.4196	242	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	start of SS PLT	0
53.13355865	-6.481162794	EPSPG2157	701633.9479	710303.0998	end of w/w scb (241)	Willow	1	semi mature	5 to 10m	C	Has to be lost	no	some willow scrub on edges of path to be removed, mostly branches, some small trees (w/w, birch one or two conifers) approx 65 m, 10-20 trees to be lost	20
53.13381894	-6.482016742	EPSPG2157	701576.1952	710330.847	start of w/w scb	Willow	1	semi mature	10 to 20m	C	Has to be lost	no	w/w scrub between regen SS PLT	0
53.13383282	-6.482106261	EPSPG2157	701570.1727	710332.2641	rwd win stand	Alder	9	semi mature	5 to 10m	C	Has to be lost	no	approx 9 trees to be lost including one conifer	9
53.13391991	-6.482490487	EPSPG2157	701544.2584	710341.4094	Stand of SP	Scots Pine	1	semi mature	10 to 20m	B3	Retain if possible	yes	stand of Scots pine 1-5 to be removed	5
53.13394647	-6.482588388	EPSPG2157	701537.6452	710344.2247	end of MXD WLN (0240)	Willow	1	semi mature	10 to 20m	C	Has to be lost	yes	10-20 trees to be lost dense scrub layer of gorse and blackberries	20
53.13420011	-6.483618356	EPSPG2157	701468.1317	710370.9848	start of MXD WLN	Willow	1	semi mature	5 to 10m	C	Has to be lost	no	mixed woodland, mostly willow, occasional conifer	0
53.13420957	-6.483685747	EPSPG2157	701463.8003	710371.9411	end of RGN PLT	Sika Spruce	1	semi mature	10 to 20m	B3	Has to be lost	no	190 m of trees, approx ten trees to be lost per 10 m, including conifers and smaller dec trees (willow/birch) -190 trees to be lost	190
53.13507248	-6.486178525	EPSPG2157	701294.778	710464.4172	Start of RGN PLT	Sika Spruce	1	semi mature	10 to 20m	C	Has to be lost	yes	start of group - regenerating SS plantation	0

53.13510446	-6.486329064	EPSG:2157	701284.6303	710467.7625	239	Elder	1	mature	5 to 10m	A3	Should be kept and protected from damage (e.g. root compaction)	no	specimen elder on path, suggest moving path to north through sika (lower value) if possible	0
53.1351127	-6.486432999	EPSG:2157	701277.6567	710468.533	238	larch	1	semi mature	20 to 30m	C	Has to be lost	yes	end of larch approx 20 trees to be lost	20
53.13530359	-6.486971788	EPSG:2157	701241.1582	710489.0084	237	larch	1	semi mature	20 to 30m	C	Has to be lost	yes	start of group of larch	0
53.13543373	-6.487455256	EPSG:2157	701208.5041	710502.8038	conifer line B	Sika Spruce	10+	semi mature	20 to 30m	C	Has to be lost	yes	group of SS approx 10-15 trees to be lost	15
53.13557794	-6.487847865	EPSG:2157	701181.8965	710518.2943	willw scb	Willow	1	semi mature	5 to 10m	B3	Has to be lost	no	20 willow and one birch to be lost between conifer lines A and B	21
53.13562219	-6.487999074	EPSG:2157	701171.6754	710523.0039	Conifer line A	Sika Spruce	9	young	10 to 20m	C	Has to be lost	yes	6 to be lost	6
53.13568777	-6.488144919	EPSG:2157	701161.7631	710530.0932	willow	Willow	1	semi mature	5 to 10m	C	Has to be lost	no		1

Total trees to be lost in Section 4	1561
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Valleymount

Lat	Lon	C/SName	X	Y	name	Species	number of trees	Age	Height	Arbocultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed
53.0959228	-6.521528363	EP2SG2157	699019.4719	706059.2749	more willow to be lost	Willow	1	young	10 to 20m	C	Has to be lost	no	large willow and a fallen birch to be removed	2
53.09593367	-6.521092504	EP2SG2157	699048.6364	706061.087	area of willow, as adjacent point									5
53.0959538	-6.520758234	EP2SG2157	699070.9763	706063.7891	area of willow to be lost	Willow	1	young	5 to 10m	C	Has to be lost	no		5
53.09628096	-6.52013462	EP2SG2157	699111.9878	706101.0499	289	Scots Pine	1	mature	10 to 20m	A3	Should must be kept	yes	end of PLT end of clear path 180m @ 6/10 100m @ 4/10 470m @ 8/10 29 windthrown on path at end -553 trees to be lost	553
53.09648333	-6.520086667	EP2SG2157	699114.734	706123.6323	291	Willow	1	mature	5 to 10m	B3	Should be kept and protected from damage (e.g. root compaction)	no	remove deadwood over path	0
53.09793923	-6.515326761	EP2SG2157	699430.1439	706292.2079	existing path A									0
53.09845258	-6.513488777	EP2SG2157	699552.0427	706351.875	change in density 6/10									0
53.09854833	-6.513325	EP2SG2157	699562.7891	706362.7556	290	Willow	1	semi mature	10 to 20m	B2	Retain if possible	no	pocket of native woodland approx 10-15 trees to be lost retain trees where possible as this area has some landscape value	15
53.0992538	-6.512655281	EP2SG2157	699606.0078	706442.1757	density change 4/10m be aware of windthrow areas	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0
53.1024213	-6.505055577	EP2SG2157	700107.5656	706805.1776	change in density 8/10m	Sika Spruce	1	semi mature	0 to 5m	C	Should must be kept	yes		0
53.10244123	-6.50490772	EP2SG2157	700117.4198	706807.6014	scrub area	Willow	1	semi mature	5 to 10m	C	Has to be lost	no	several small trees to be lost	7
53.10282127	-6.504398435	EP2SG2157	700150.6385	706850.5961	B	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0
53.10346138	-6.503802314	EP2SG2157	700189.0667	706922.6466	A	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0
53.10317072	-6.503995769	EP2SG2157	700176.7888	706890.0374	large windthrown area AB	Pinus sp.	1	semi mature	20 to 30m	C	Has to be lost	yes	remove all leaning/fallen trees 100+ trees to be lost	100
53.10374943	-6.50361456	EP2SG2157	700200.9689	706954.9565	288	Pinus sp.	1	semi mature	20 to 30m	B2	Retain if possible	yes	start of regen pit	0
53.10385167	-6.503603333	EP2SG2157	700201.483	706966.3471	287	Birch	1	mature	5 to 10m	B2	Retain if possible	no	birch with aesthetic value end of SS PLT 100m @ 5 trees/10m -50 trees to be lost	50
53.10472667	-6.503306667	EP2SG2157	700219.3129	707064.1126	286	Hazel	1	semi mature	5 to 10m	C	Has to be lost	no		1
53.105029	-6.503215581	EP2SG2157	700224.7087	707097.8771	285	Beech	2	mature	10 to 20m	B2	Should be kept and protected from damage (e.g. root compaction)	no	remove overhanging branch back to trunk compression union at base of tree on north side dynamic bracing	0
53.10594584	-6.5031901	EP2SG2157	700224.2832	707199.9176	284	Sika Spruce	1	young	10 to 20m	C	Has to be lost	yes	start of pit	0
53.10599012	-6.503180042	EP2SG2157	700224.8537	707204.8584	283	Willow	1	mature	10 to 20m	C	Has to be lost	yes	fallen willow to be lost end of alder fin	20
53.10690593	-6.503070742	EP2SG2157	700230.0423	707306.9019	282	Alder	1	semi mature	5 to 10m	C	Has to be lost	no	start of group - alder fin	0
53.09589667	-6.521958333	EP2SG2157	698990.7367	706055.7733	281	Alder	1	mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	no	end of smash PLT 65 trees to be lost approx	65
53.09686479	-6.522113085	EP2SG2157	698978.1509	706163.2708	280	Ash	1	semi mature	5 to 10m	C	Has to be lost	no	start of SMash wln	0
53.09699122	-6.522168741	EP2SG2157	698974.1335	706177.2602	278	Scots Pine	1	semi mature	10 to 20m	C2	Has to be lost	no	end of PLT 420m @ 2/10 570m @ 5/10 190m @ 8/10 -522 trees to be lost	522
53.09872476	-6.522132196	EP2SG2157	698972.6018	706370.1802	density change to 8/10	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0

53.10375043	-6.522127837	EP5G2157	6989613575	706929332	279	Ash	1	mature	10 to 20m	B2	Should be kept and protected from damage (e.g. root compaction)	no	large ash, remove large diameter deadwood	0
53.1049193	-6.521580331	EP5G2157	6989953332	707060.1345	density change from 2/10 to 5/10	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0
53.11029948	-6.525282785	EP5G2157	698735.1066	707653.6114	277	Sika Spruce	1	semi mature	0 to 5m	C	Has to be lost	yes	start of MXD PLT	0
53.11040151	-6.525277086	EP5G2157	698735.2545	707664.9718	276	Fir sp.	1	mature	20 to 30m	A2	Should must be kept	yes	end of field 3 trees to be lost	3
53.11077324	-6.525578164	EP5G2157	698714.2466	707705.9139	275	Rinus sp.	1	semi mature	10 to 20m	C	Has to be lost	no	start of field with MXD tree spp.	0
53.11091593	-6.52564723	EP5G2157	698709.296	707721.6942	273	Willow	1	semi mature	5 to 10m	C	Retain if possible	no	end of MXD dec win 180m @ 4 trees/10m -72 trees to be lost	72
53.1110403	-6.525727697	EP5G2157	698703.6242	707735.4211	274	Alder	1	mature	10 to 20m	B2	Should be kept and protected from damage (e.g. root compaction)	no	large alder, protect from damage	0
53.11191	-6.527585	EP5G2157	698577.2948	707829.6241	272	Birch	1	semi mature	10 to 20m	C	Has to be lost	no	start of group mxd dec win	0
53.11208863	-6.527765505	EP5G2157	698564.8023	707849.2494	end of group	Alder	1	semi mature	10 to 20m	C	Has to be lost	no	end of wet WLN (willow birch alder) 90m @ 3 trees/10m -27 trees to be lost	27
53.11281554	-6.527625024	EP5G2157	698572.5442	707930.3172	start of group	Willow	1	semi mature	10 to 20m	C	Retain if possible	no	wet willow birch win approx density 3 SMM trees per 10m	0
53.11296687	-6.527467109	EP5G2157	698582.7694	707947.372	270	Ash	1	semi mature	10 to 20m	C	Has to be lost	no	group of semi mature trees to be removed (5-10 in immediate area) 380m @ 10 trees/10m -380 semi mat trees to be lost	380
53.11326854	-6.527538858	EP5G2157	698577.2762	707980.8361	271	Birch	1	mature	20 to 30m	B2	Should must be kept	no	large birch, retain suggest dynamic bracing on south west side	0
53.11556689	-6.530429944	EP5G2157	698378.4907	708232.5714	269	Alder	3	mature	10 to 20m	C	Retain if possible	no	start of MXD dec win	0
53.11559788	-6.530476213	EP5G2157	698375.3228	708235.9558	note for start of route	Willow	1	young	0 to 5m	A	Should must be kept	yes	prune back overhanging branches to appropriate growth points	0
53.11551678	-6.531157158	EP5G2157	698329.9256	708225.998	268	Ash	1	semi mature	20 to 30m	A3	Should be kept and protected from damage (e.g. root compaction)	no	evidence of breakout from previous compression union, north side at 5m other stems are tension unions end of tree line no trees to be removed	0
53.11474464	-6.530015543	EP5G2157	698408.1083	708141.6588	267	sycamore	2	mature	10 to 20m	C	Retain if possible	yes	reduce to safe height of 6m start of group - tree line	0

Total trees to be lost in Section 5	1827
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Tullarris

Lat	Lon	CSName	X	Y	name	Species	number of trees	Age	Height	Arbocultural Category	Treatment	Risk of windthrow	Comments	Trees to be removed
53.12091072	-6.536275148	EPSG2157	697975.063	708819.1044	end of road								remove any deadwood overhanging road along this route between here and Tullarris	
53.12408266	-6.537879445	EPSG2157	697860.4798	709169.8157	storm damaged larch	Larch	1	semi mature	10 to 20m	C	Retain if possible	yes	make safe - remove hanger over road	0
53.12449289	-6.539170258	EPSG2157	697773.1592	709213.6944	Mature ash	Ash	1	mature	10 to 20m	A2	Should/must be kept	no		0
53.12269722	-6.55720979	EPSG2157	696569.8724	708989.4329	324	Beech	1	semi mature	10 to 20m	B2	Should/must be kept	no	end of beech fn gd and KD present in several trees	
53.12211167	-6.556558333	EPSG2157	696614.7867	708925.1639	326	Beech	2	mature	20 to 30m	A2	Has to be lost	yes	MG present at roots remove both trees	2
53.12164915	-6.555883773	EPSG2157	696660.9725	708874.6154	325	Beech	1	young	20 to 30m	A2	Should/must be kept	no	obvious KD on roadside	0
53.12277146	-6.553106681	EPSG2157	696844.3215	709003.2337	323	Beech	1	mature	20 to 30m	A2	Should/must be kept	no	start of beech fn Triple stemmed @ 4m water pocket at union GD	0
53.1228791	-6.552755646	EPSG2157	696867.5736	709015.6846	end of MXD dec fn	Ash	1	young	0 to 5m	A	Should/must be kept	yes	remove deadwood overhanging road remove ivy on mature trees	0
53.12585534	-6.545385271	EPSG2157	697354.1349	709356.8115	over mature ash	Ash	1	mature	5 to 10m	C	Retain if possible	no	reduce limb weight over road start of MXD dec fn	0
53.12595654	-6.545180082	EPSG2157	697367.6382	709368.3494	320	Beech	1	mature	20 to 30m	A2	Should/must be kept	no	grey discoloration water pocket in branch over road end of beech fn	0
53.12613	-6.54473	EPSG2157	697397.3671	709388.2604	322	Ash	1	semi mature	10 to 20m	C	Has to be lost	yes	large bracket fungus remove tree	1
53.12632873	-6.54412061	EPSG2157	697437.7	709411.1999	321	Beech	2	mature	20 to 30m	A2	Should/must be kept	yes	large compression union possible water pocket at 6m GD	0
53.12652187	-6.543663964	EPSG2157	697467.8231	709433.3093	319	Beech	1	mature	20 to 30m	A2	Should/must be kept	no	remove large diameter deadwood over roadside remove ivy to aid continuing monitoring possible water pocket @ 5m start of group - beech fn tags are roadside from here	0
53.12682525	-6.543352157	EPSG2157	697488.0034	709467.4876	318	Beech	1	mature	20 to 30m	A2	Should/must be kept	yes	control ivy remove deadwood	0
53.12690914	-6.543346122	EPSG2157	697488.2174	709476.8295	leaning ash	Ash	1	semi mature	10 to 20m	C	Has to be lost	yes	remove	1
53.12702824	-6.543333381	EPSG2157	697488.8005	709490.0976	317	Beech	1	mature	20 to 30m	A2	Should/must be kept	yes	canker at base canopy reduction reduce limb over path by 3m to adequate growth point suggest review for staged veteranisation	0
53.128075	-6.543603333	EPSG2157	697468.3661	709606.1913	316	Beech	1	mature	20 to 30m	A2	Should/must be kept	yes	cavity on NE root flare shows early signs of fungal infection, too early to determine which sp. remove deadwood over path remove ivy suggest further inspection	0
53.12822866	-6.543803439	EPSG2157	697454.6273	709623.0154	315	Beech	1	mature	20 to 30m	A2	Should/must be kept	yes	storm damage in crown, snap @ 15m signs of GD, possible KD staged veteranisation	0
53.12846625	-6.544071995	EPSG2157	697436.1181	709649.0835	314	Beech	1	mature	20 to 30m	B2	Should/must be kept	yes	signs of dysfunction/abnormality at root base bacterial cankers (phytophthora?) staged vet	0

53.12854833	-6.544216667	EPSPG2157	697426251	709658.0191	313	Beech	1	mature	20 to 30m	B2	Should must be kept	yes	abnormality at base, heavy lean staged veteranisation	0
53.12903818	-6.544862911	EPSPG2157	697381.8971	709711.64	311	Scots Pine	1	mature	20 to 30m	A2	Should be kept and protected from damage (e.g. root compaction)	yes	end of con pit 340m @ 7/10m 150m @ 3/10 -283 trees to be lost (incl. some windthrow)	283
53.12884848	-6.545281	EPSPG2157	697354.3478	709689.9653	312	sycamore	10+	semi mature	0 to 5m	C	Has to be lost	yes	14 trees, some root heave reduce all to standing monoliths of 6m	14
53.12836868	-6.546708941	EPSPG2157	697259.8747	709634.6434	density change from 7/10 to 3/10	Scots Pine	1	young	0 to 5m	A	Should must be kept	yes		0
53.1274316	-6.550705098	EPSPG2157	696994.5625	709524.9652	310	Fir sp.	2	mature	20 to 30m	A2	Should must be kept	yes	narrow path to fit between firs start of group - con pit	0
53.127567	-6.551501714	EPSPG2157	696940.9472	709538.9502	small ash fn	Ash	1	semi mature	5 to 10m	C	Has to be lost	no	remove as necessary, approx 20 trees to be lost	20
53.12737833	-6.551818333	EPSPG2157	696920.1831	709517.5313	309	Beech	9	mature	20 to 30m	A2	Should must be kept	yes	line of beech, one oak reduce end weight of limbs (by 2m) on path side cavity on back of 3rd beech from right (@4m) remove broken limbs on 5th beech from right basal cavity, compartmentalising well	0
53.12715156	-6.551562399	EPSPG2157	696937.821	709492.6474	308	Oak	1	semi mature	10 to 20m	A3	Should be kept and protected from damage (e.g. root compaction)	no	remove large diameter deadwood end of syc. bch won, -25 trees to be lost (not the oak)	25
53.12692333	-6.551535	EPSPG2157	696940.1682	709467.2921	307	sycamore	1	semi mature	10 to 20m	A	Has to be lost	no	start of group - sycamore and beech with	0
53.12653675	-6.551978812	EPSPG2157	696911.3371	709423.681	SVL SML BCH 2Go	Beech	1	young	0 to 5m	A	Should must be kept	yes		0
53.12592375	-6.552843489	EPSPG2157	696854.8489	709354.3088	306	Poplar	1	mature	10 to 20m	C	Has to be lost	yes	reduce to standing monolith	0
53.125515	-6.553383333	EPSPG2157	696819.6392	709308.1022	305	Poplar	3	young	0 to 5m	C	Has to be lost	no	three poplars	3
53.12548778	-6.553453356	EPSPG2157	696815.0141	709304.9786	BCH TLN	Beech	1	semi mature	5 to 10m	C	Retain if possible	no	line of beech crown raise to suit the path	0
53.12502967	-6.553819813	EPSPG2157	696791.5185	709253.515	304	Ash	1	semi mature	0 to 5m	C	Has to be lost	yes	structurally compromised ash tree, reduce to standing monolith of 4m, coroner cut remove large diameter deadwood on adjacent trees	0
53.12502323	-6.553898267	EPSPG2157	696786.2824	709252.6927	302	Beech	1	semi mature	5 to 10m	C	Has to be lost	no	end of fn 175m @ 10 trees/10m -175 trees to be lost	175
53.12451563	-6.55436296	EPSPG2157	696756.3229	709195.5894	303	Ash	2	mature	0 to 5m	A2	Should be kept and protected from damage (e.g. root compaction)	no	tree line large diameter deadwood on path side be sympathetic to roosting area	0
53.12371333	-6.555366667	EPSPG2157	696690.9497	709104.9715	301	sycamore	1	semi mature	5 to 10m	C	Has to be lost	no	start of group - sycamore fn	0
53.12368792	-6.555395275	EPSPG2157	696689.092	709102.1051	end of HDG	hawthorn	1	semi mature	0 to 5m	B3	Has to be lost	no	remove as necessary approx 20 trees to be lost	20
53.12352817	-6.555668861	EPSPG2157	696671.1402	709083.9622	start of MWD HDG	hawthorn	1	young	0 to 5m	B3	Has to be lost	no		0

Total trees to be lost in Section 6 544