

APPENDIX 1 - Tree Schedule – Harras Moor, Whitehaven, CA28 6SZ.

Tree ID	Common Name	Botanical Name	Height (m)	Calc. / Actual Stem Dia. (mm)	Crown spread (m)				Height (m) & Orientation of First Significant Branch	Avg. Canopy Height (m)	Life Stage	General Observations	Preliminary Recommendations	Estimated Remaining Contribution (Years)	BS5837: 2012 Category
					N	E	S	W							
T1	Ash	<i>Fraxinus excelsior</i>	3m	95	1	1	1	1	N/A	N/A	Dead	Dead tree.	Fell	Dead	U
T2	Hawthorn	<i>Crataegus monogyna</i>	2m	250	2.5	2.5	2.5	2.5	N/A	N/A	Middle aged	Multi stem, field grown tree with some minor stem damage from livestock. Some minor dieback.	No work required	10 - 20	C
T3	Hawthorn	<i>Crataegus monogyna</i>	2m	300	2.5	2.5	2.5	2.5	N/A	N/A	Middle aged	Multi stem, field grown tree with some minor stem damage from livestock.	No work required	10 - 20	C
T4	Hawthorn	<i>Crataegus monogyna</i>	1.8m	250	2	2	3	2	N/A	N/A	Middle aged	Multi stem, field grown tree with some minor stem damage from livestock.	No work required	10 - 20	C
T5	Hawthorn	<i>Crataegus monogyna</i>	2.5m	300	3	3	3	3	N/A	N/A	Middle aged	Multi stem, field grown tree with some minor stem damage from livestock.	No work required	10 - 20	C

APPENDIX 1 - Group / Hedge Schedule - Harras Moor, Whitehaven, CA28 6SZ (continued).

Group ID	Common Names	Est. No. of Trees	Average Height (m)	Calc. / Actual Stem Dia. (mm)	Crown spread (m)				Life Stage	General Observations	Preliminary Recommendations	Estimated Remaining Contribution (Years)	BS5837: 2012 Category
					N	E	S	W					
G1	Ash, black thorn, alder, hawthorn, silver birch, goat willow, cherry, crab apple	150	16m	250					Middle aged	Roadside shelterbelt group with a diverse species mix. Large proportion of ash which is largely dead or dying from ash dieback. Ash dieback is noted throughout the locality. To the north where the group borders the footpath there is low branching over it.	Thin dead / dying ash out. Prune low branches over the footpath.	10 - 20	C
G2	Alder, ash, Scots pine, Oak, Elder	30	15m	300					Middle aged	Small block of woodland in poor unmanaged condition, borders public road of industrial estate. Some dying ash trees have been previously paint marked. Many dead trees within incorporates a hedge to the east.	Thin dead ash trees prune back over the pavement.	10 - 20	C
G3	Ash, sycamore, cherry, Scots pine, silver birch, elm	100	16m	250					Middle aged	Tree group borders existing housing at Winchester Drive. Has a large amount of dead /dying ash trees. Long term tree safety needs to be factored in with many trees overhanging the adjacent properties gardens. Himalayan balsam noted on western edge.	As a priority fell dead / dying ash trees. Clear groups and replant.	10 - 20	C
G4	Sycamore , beech, oak, hawthorn, aspen, alder, elder, elm	150	16m	350					Middle aged	Tree group bordering Sunbelt Rentals depot. Some good quality trees within as well as some unmanaged. Some clearance has taken place as there are some open areas. Himalayan balsam noted. A few dead /dying ash trees. Would benefit from thinning. Den/shelter noted.	Remove dead ash trees and carry out selective thinning. Note there is a transformer at norther end.	20 - 40	B

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					N	E	S	W					
G5	Sycamore, ash, oak, hawthorn, beech, elder, poplar	100	15m	250					Middle aged	Poor unmanaged tree group, lots of dead / dying ash within. Ash dieback prevalent. Tree group borders a storage compound.	Remove dead ash trees and replant.	10 - 20	C
G6	Ash, alder, oak, hawthorn, sycamore, aspen, Scots pine, holly, elder	400	16m	350					Middle aged	Ash dieback throughout which needs removing and replanting. Some good trees within and provides excellent screen / wildlife corridor. Well used footpath through the block. Western side borders existing housing so tree safety needs to be considered. Himalayan balsam noted. Note: 10x tree felled, unskilled felling so likely to be unauthorised I would expect. Near High Grove see photos.	Remove large number of dead ash trees and replant.	20 - 40	B
G7	Hawthorn,	6	2.5m	200					Middle aged	Small group of scattered hawthorn. Surrounding vegetation are just tall weeds.	No work required.	10 - 20	C
G8	Blackthorn, rowan, cherry, goat willow, ash, elder, hawthorn	40	10m	100					Young	Dense, unmanaged roadside shelterbelt. Power line running through it.	No work required.	10 - 20	C

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					N	E	S	W					
G9	Goat willow, hawthorn, silver birch	8	3m	100					Middle aged	Poor condition trees largely self-established. Large swath of Himalayan balsam noted.	No work required.	10 - 20	C
G10	Crack willow	10	3m	40					Middle aged	Spreading group of willows near to houses. Poor condition. Recently cut badly presumably by a neighbour see photos.	Remove to facilitate the development.	10 - 20	C
W1	Oak, sycamore, holly, alder, ash, Silver birch	400	18m	450					Mature	Good quality woodland classed as ancient semi natural woodland so an important habitat. Good mix of species and generally good condition except for the ash trees. W1 is outwith the site ownership. High quality woodland but has some dead ash trees within. Some rhododendron noted likely to take over if left.	Protect during development. Dead/ dying ash trees could be removed. Remove rhododendron.	40+	A

NOTES:

1. Main issue is ash dieback which is noted throughout the locality. Recommend removal of ash for safety as it looks poor throughout the site with the vast majority of ash trees either dead or dying. Didn't see any healthy ash trees. Recommend clearing ash trees in areas and replant with native species. Worst area G1, G3, G5 and G6.
2. The ash clearance may provide area for access roads to be adjusted, instead of clearing new areas.
3. Some of the individual hawthorn and alder trees fall below the size threshold of BS5837 and would in any case be Category C.
4. Within G4 it might be possible to use open areas once ash has been removed to put access road in these areas. Woodland is good quality.
5. Tree protection measures will need to be adequately set out and managed during construction.
6. Himalayan balsam noted in several areas and control measures need to prevent further spread. Advise that areas are hand pulled in areas where development may take place in advance.
7. Impact assessment on current trees:
 - **G1 minor cutting back of encroaching edge trees – lots of dead ash.**
 - **G2 No issue**
 - **G3 for an access road no issue**
 - **G4 for an access road**
 - **G6 small area removed for access road and SUDS to north west edge.**
 - **Removal of G7/G8 no issues**
 - **Removal of G9/G10 no issues**
 - **W1 unaffected – high value woodland (outwith the area and in separate ownership).**
8. G4 – has a large well used den constructed within see photos.
9. G6 – has some sycamore trees recently felled I assume for firewood.,
10. G10 – Crack willow have been cut badly.
11. Tree safety – annually survey needed as several areas border housing.