



Complete Landscaping Services

Commercial Landscape Maintenance & Tree Services

Lesley Cleaver
Hartlebury Clerk
Hartlebury Parish Council
DY11 7TG

29th May 2022

Ref Tree Condition Survey Waresley Recreation Ground

Dear Lesley

Please find attached the requested survey for the trees on site. The most important issues are detailed in the conclusion.

Yours sincerely

Andrew Douglas

Tree Condition Survey

Name of Estate: Hartlebury Village Green

Carried out by: Andrew Douglas

Qualification: RFS Tech Cert

Date: 27/05/2022

Inspection of trees at Waresley Recreation Ground. DY11 7TL

1. Instruction.

- 1.1 Hartlebury Parish Council accommodate members of the public and wish to manage their trees responsibly.
- 1.2 Therefore, the Parish Clerk; Lesley Cleaver has asked myself Andrew Douglas to inspect trees on site and advise, subject to quote.

2. Inspection.

- 2.1 I visited the site on the 27th May 2022 and made an unaccompanied site inspection.
- 2.2 The survey was from ground level. It involved measuring dbh, visual observation, and sounding with a hammer: and chisel and long steel rod if required (Visual Tree Assessment: Mattheck and Broeler 1994 and Lonsdale 1999). Trees were located via Google Maps, by eye only. We added various site features to the plan.
- 2.3 The survey was by Andrew Douglas who has acquired 12 years' experience working with trees, (professional CV attached).

3. The Site.

- 3.1 The site inspected is a village green approximately half an acre. It is accompanied by car parking facilities, footpaths and recreational areas around the perimeter of the site. The majority of trees are within close proximity of these facilities.
- 3.2 Geology from BGS website is: - Bedrock Geology: Helsby Sandstone Formation – Sandstone material with low volume change potential. We may assume the likelihood of subsidence or heave is low.

Figure 1 Geology Map

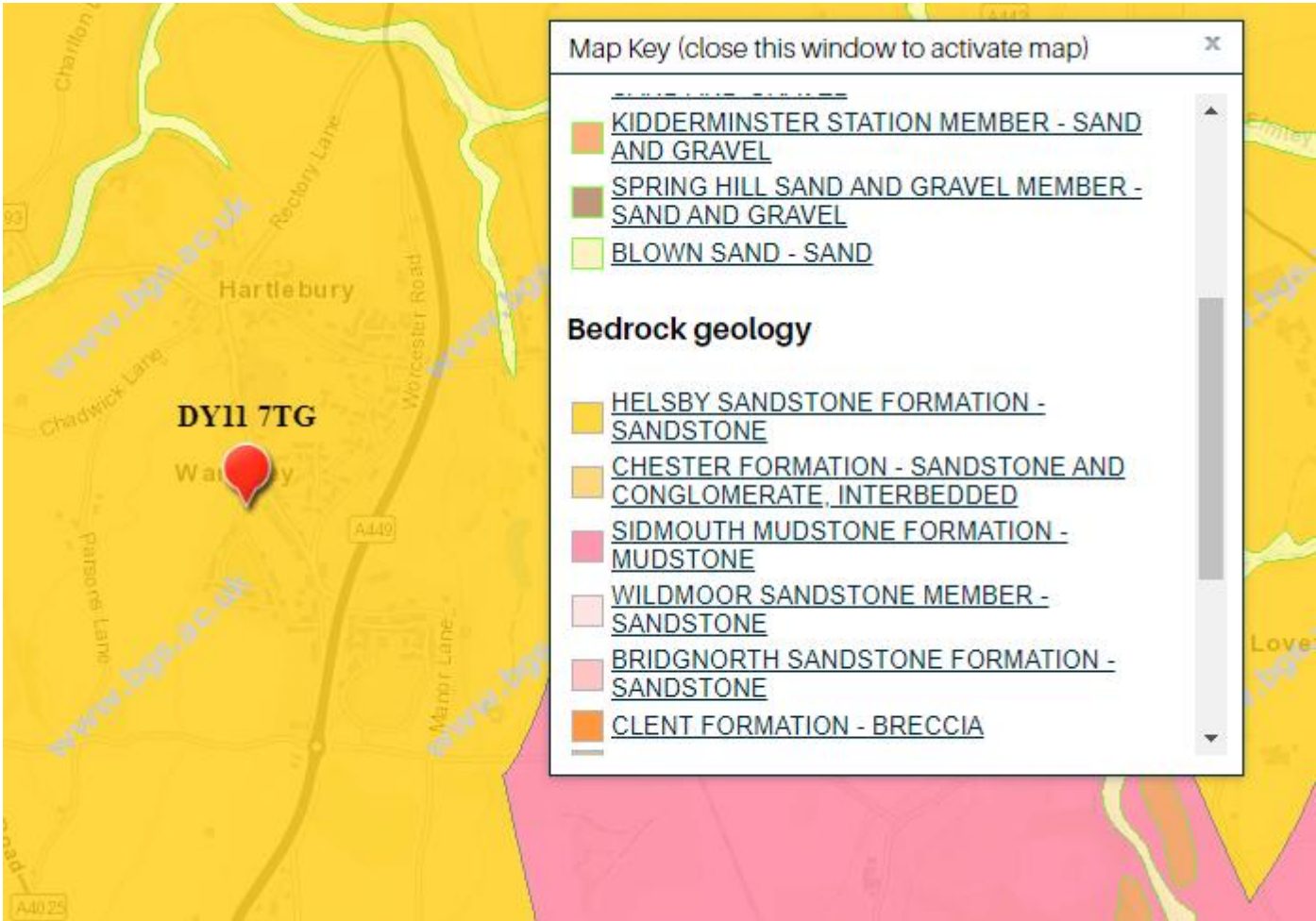


Figure 2 Site Map

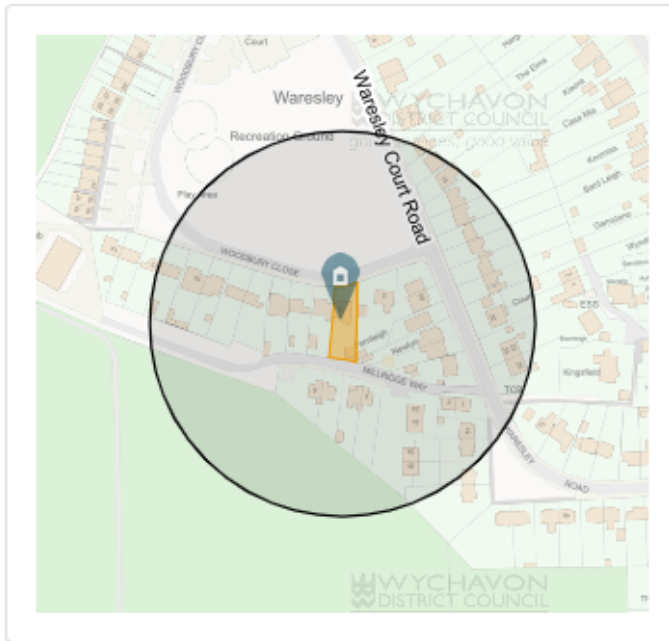


4. Trees.

4.1 According to Wychavon District Council's online mapping system, there are no protected trees on site;

Figure 3 Tree Protection

No results found



No Tree Preservation Orders were found within 100m of the selected property within Wychavon.

4.2 **Detailed Tree Descriptions**

TREES are described in the table below, and shown on tree plan below.

ID: Trees are numbered on plan.

Stem diameter: approximate dbh given to aid identification.

Age class is described as: -

- Sap: Very young tree, or sapling, one-five years old.
- Y: Young tree less than fifteen years old and <1/3 fully grown.
- Sm: Semi-mature tree having attained 1/3 to 2/3 full stature and 1/3 to 1/2 estimated lifespan.
- Em: Early mature: tree at 2/3 to virtually full size, and halfway through its safe life.
- M: Mature: fully-grown tree with useful life expectancy.
- Lm: Late-mature: fully grown, of declining vigour, but still healthy.
- Om: Over mature tree: fully grown and starting to decline in health (but may still have many years of safe life).
- Vet: Veteran: usually very old; of significant historic, habitat or cultural value.

Figure 4 Tree Plan



Tree No.	Common Name	Stems	Height (m)	Stem Dia (mm)	Crown Spread (m)	Age Class	Crown	Stem	Root Zone	Comments & Recommendations	Work Priority
2410	Purple Norway Maple	1	12	330	9	M	Good	Good	Good	Crown die back W. 2-7m, bifurcates @2.4m, historic 7m pollard with some arising dead wood around this pruning zone in centre, remove rope from stems @ 3m N. to prevent girdling	Low
2411	Purple Norway Maple	1	12	430	9	M	Good	Good	Good	Bifurcates @ 2.4m, historic 7m pollard, live nest box @ 3m. Clean of minor dead wood	Low
2412	Crab Apple	1	4	50	1	Sap	Good	Good	Mod	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2413	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2414	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2415	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2416	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2417	Norway Maple	1	11	410	10	M	Good	Good	Good	Historic 7m pollard with regrowth, nest box, minor dead wood; 2.4m crown lift	Low
2418	Norway Maple	2	9	340	6	M	Good	Mod	Good	Clean of minor dead wood; decay in stem with good reaction wood	Low
2419	London Plane	1	12	500	11	M	Good	Good	Good	Historic crown lifts with good callusing. 2.4m crown lift	Low
2420	Wellingtonia	1	3	90	1.5	SM	Good	Good	Good	Strimmer damage to base	Low
2421	Malus sp.	1	4	150	2.5	M	Mod	Mod	Mod	Historic vehicle damage with torn limb canopy now imbalanced with poor vigour	Low
2422	Swedish Birch	1	15	300	8	M	Good	Mod	Good	Historic lifts with callusing, strimmer damage to base with decay pocket @ 1.2m N. with good surrounding reaction wood. Minor dead wood.	Low
2423	Yoshino Cherry	1	11	660	15	LM	Good	Good	Good	Historic crown lifts & pruning over roadside to form imbalanced canopy. Minor dead wood throughout canopy, isolated decay pocket @ 3m E., elevated root plate.	Low
2424	Coast Redwood	1	2.4	40	1.2	Sap	Good	Good	Good	Recently planted tree starting to establish itself; remove tree stake & tie from base	Low
2425	Ash	2	4	50 50	1.5	Sap	Mod	Mod	Mod	Poor V shaped union @ base, crown die back to monitor, strimmer damage to base; remove tree stake and tie & monitor condition	Low
2426	Yoshino Cherry	1	10	850	12	LM	Mod	Mod	Good	Elevated root plate with minor roots girdling. V shaped union in stem as a consequence heavy limb on W. has been supported by 3 cobra braces. Canopy imbalance due to historic pruning over highway	Low
2427	Coast Redwood	1	2	25	1.5	Sap	Good	Good	Good		Low
2428	Norway Maple	1	12	450	12	M	Good	Good	Good	Historic lifts with callusing; low canopy requires 2.4m crown lift over park & 5m lift over highway	Med
2429	English Oak	1	5	110	4	Y	Good	Good	Good	Strimmer damage to base & suppressed by adjacent trees	Low
2430	London Plane	1	10	270	8	SM	Good	Good	Good	Historic crown lifts with callusing	Low

2431	Black Poplar	1	23	1020	16	M	Mod	Good	Good	Historic crown reduction with 7m re growth now exerting lever arm stresses on old wounds. 5m crown reduction above previous pruning points recommended	Med
2432	Birch sp.	1	4.5	80	1.5	Y	Good	Good	Good	Remove tree stake	Low
2433	Ash	1	9	340	8	SM	Good	Good	Good	Historic crown lifts with callusing	Low
2434	English Oak	1	4.5	50	1.5	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2435	Ash	1	9	300	9	SM	Good	Good	Good	Historic crown lifts with callusing	Low
2436	Birch sp.	1	8	140	5	SM	Good	Good	Good	2m crown lift	Low
2437	Beech	1	3.5	100	2.4	Y	Good	Good	Good	Dense growth habit, remove tree stake	Low
2438	English Oak	1	4.5	60	1.8	Y	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2439	Beech	1	4	60	2	Y	Good	Good	Good	Historic crown lifts some cuts flush. Strimmer damage to base; bark removed; remove tree stake & tie	Low
2440	Crab Apple	1	3.5	40	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2441	Swedish Birch	1	10	200	5	SM	Good	Good	Good	Weeping habit; 2m crown lift	Low
2442	English Oak	1	8	1060	7	Vet	Mod	Mod	Mod	Historic monolith on veteran, some vigorous regrowth to S. Monitor for basal movement	Low
2443	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Med
2444	Crab Apple	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2445	Whitebeam	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2446	Whitebeam	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2447	Whitebeam	1	3	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2448	Holly Oak	1	3.5	70	1.5	Y	Good	Good	Good	Strimmer damage to base; bark removed; remove tree stake & tie	Low
2449	Japanese Cherry 'Kanzan'	1	8	660	10	M	Good	Good	Good	Nest box - live, remove hung up flag @ 4m S., Clean of minor dead wood & 2.4m crown lift; bacterial canker present in stem	Low
2450	English Oak	1	4.5	150	4	Y	Good	Good	Good	0.5m crown lift	Low
2451	Birch sp.	2	8	150 100	5	SM	Good	Mod	Good	V shaped union @ 1m with bark inclusion; historic lifts with callusing. 2.4m crown lift & head back weaker, leaning stem <1.5m	Low
2452	Whitebeam	1	4	50	1.5	Y	Good	Good	Good	Remove tree stake & tie	Low
2453	Whitebeam	1	4	50	1.5	Y	Good	Good	Good	Strimmer damage to base; bark removed; remove tree tie from base	Low
2454	Whitebeam	1	4	50	1	Sap	Good	Good	Good	Strimmer damage to base; bark removed; remove tree tie from base	Low

5. Conclusion

- 5.1 Many trees have bark damage around the basal area from strimmer line this can destroy the tree in time. Using either light strimmer chord, herbicide or shears will prevent this damage occurring.



5.2 Many recently planted trees require the stake & tie removing;



5.3 There are many trees which require an adequate crown clearance of 2.4m for grass cutting as a safety requirement.

5.4 T2431 Black Poplar will require regular pruning upon a cycle of 5-7 years.

5.5 The veteran Oak T2342 requires periodic monitoring for basal movement.

Tree works informative

Disturbance to wildlife.

It is essential to check for nesting birds, bat roosts, badgers and hibernating animals such as hedgehogs under trees, before pruning or removing trees, as negligent disturbance is an offence under various legislation, including EC Habitat Directive 1992 as amended and strengthened 2007 to protect European Protected Species (bats are most relevant concerning trees) and CROW Act 2000.

In general, autumn tree work: **September, October and November** are least disruptive to bats and birds. However, with appropriate risk assessment (i.e., visual assessment whilst climbing and stopping work if birds' nests or protected species suspected) work can proceed at any time. Work on very ivy-clad trees may need a formal pre-start bat assessment by a trained bat worker.

Permission.

Trees are protected by a TPO, or lie within a Conservation Area. Either are possible here and should be checked with the local planning authority.

Therefore, a contractor must satisfy himself that all necessary permissions are in place before undertaking any work to protected trees.

Contractor.

All off-ground tree work should be done by insured tree surgeon with certificates in aerial chainsaw use (new designations: - NPTC 020-04, 0020-05, 0020-07, 0021-01, 0021-07; LANTRA 600/5703/8, 600/5717/8, 600/5715/5, 600/5704/X, 600/5714/2), and working to BS3998:2010 and working to BS3998:2010, and "*Tree work at Height*", the Arboricultural Association's ICoP.

(Stumps can be left to shoot again, ground out, or grubbed out, or poisoned.)

We would recommend walk-by tree inspection by a competent person, e.g., Surveyor, Site Manager or Arborist upon an 18-month basis (observe trees in full bloom & when defoliated). This should be followed by an arboricultural inspection every five years, unless significant tree dieback occurs, then an earlier inspection may be required. Please note that trees can be severely affected by adverse weather conditions.

This report may be submitted to local authority for permission (if required), and to a contractor for quotation purposes. Please contact us if you have any queries, or require further assistance.

Yours sincerely,

Andrew Douglas

References:

"*The Body Language of Trees*" Claus Mattheck and Helge Breloer. HMSO 1994
"*Principles of Tree Hazard Assessment and Management*" David Lonsdale. HMSO 1999
BS 3998: 2010 "*British Standard Recommendations for Tree work*".
"*Collins Tree Guide*" Owen Johnson & David Moore, HarperCollins 2004
"*Collins Guide to the Mushrooms of Britain & Europe*" Régis Courtecuisse, HarperCollins 1999
"*A Field Guide to the Trees of Britain and Northern Europe*" Alan Mitchell William Collins Sons & Co Ltd 1974
"*An Arborists Field Guide - Fungi on Trees*" Guy Watson and Ted Green Arboricultural Association 2011

Below are set out are Andrew Douglas' competences and experience.

Insurance: -

£5m Public Liability & £0.5m Professional Indemnity (renewed March).

Personnel: -

A G Douglas (born 1971) started a career in landscaping in 1987 and throughout a six-year period of higher education and following a three-year career in a commercial environment before establishing a landscape gardening business in 1997. He studied Horticulture and Hard Landscaping (NVQII) 1998 to 1999.

In 2007 he embarked upon chainsaw, tree felling and tree surgery courses at Warwickshire College on a part-time basis and then successfully passed Royal Forestry Society level II (practitioner) and level III (technician's Certificate). In merit for passing the Technicians' Certificate Andrew was presented with the Arboricultural Association Student of the Year 2013 Award. He has undertaken LANTRA and Tree Life courses in tree surveying and mortgage reports, and held NPTC certificates of competence in tree planting, use of pesticides, chainsaw operation, climbing trees and the use of forestry machinery.