

soil interpretation &
training for
forestry
1981-1985

in
central and southwestern regions
site region 6e & 7e

appendices

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site region 6e & 7e

by
E.P. Taylor, Ontario Institute of Pedology, University of Guelph
R.K. Jones, Ontario Institute of Pedology, Agriculture Canada.

February 1986

appendices

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Ministry of
Natural
Resources

February 7, 1984

Your file

Dr. B.D. Kay
Coordinating Director
Ontario Institute of Pedology
University of Guelph
Guelph, Ontario N1G 2W1

Our file:

Dear Dr. Kay:

RE: Changes to Ontario Institute of Pedology/University of Guelph Contract (844-10), February 1, 1981 - March 31, 1985: Soil Interpretation and Soil Training Program for Forest Land Management in Southern Ontario

Confirming the discussions that we have had together with Dr. C.J. Acton, Messrs. E.P. Taylor and R.K. Jones regarding minor modifications to the above contract, I am now recording our consensus. Since the modifications are simply a change of geographic area, within which part of the work will be conducted, plus a redesign of reporting format, there is no change needed in budget. My signature at the end of this letter should be sufficient authorization for the modifications. I would appreciate having your agreement appended to it.

The modifications reflect current and future needs of the Ontario Ministry of Natural Resources (OMNR) in the area of forest soil interpretations, which were identified more completely through discussions with Ministry staff as Mr. Taylor's work progressed during the first years of the contract. I list the changes below.

- 1/ Removal of Regional Municipality of Ottawa-Carleton from the study area (see part of Component 3)

Reason: Soil training and interpretation activities for this area are already being provided by the OMNR Eastern Region, Brockville office. The Regional Forester, Eastern Region, is in agreement with the removal of the Regional Municipality of Ottawa-Carleton from the contract study area. A more comprehensive program in Central and Southwestern Regions will replace the work originally scheduled for Ottawa-Carleton.

- 2/ Presentation of results of the interpretative program in a single report stratified by Site Regions 6E and 7E (rather than in several reports for individual counties and vicinities - see "Reports"; Parts 2-8) and not to report "county" interpretations in the more recently surveyed county soil reports (rather to indicate the availability of interpretative data for forestry in the single report noted above).

Reason: Following the preparation of the first three draft reports, it became apparent that there was considerable repetition of information from one county area to another. In discussing this with OMNR staff it was decided that it would be more appropriate to analyze

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February 7, 1984

Dr. B.D. Kay

all the data together and present one comprehensive report for the entire study area at the completion of the contract. OMNR staff have indicated that it might be preferable to publish the report in a "field guide" format rather than an "office" format.

- 3/ Change the emphasis of the interpretative program from the interpretation of established soil classification and mapping units of the soil survey program to the interpretation of more site specific soil conditions (see "Products"; derivative and interpretative maps).

Reason: For forest management purposes, the established soil classification and mapping units are too variable for much of the required on-the-ground decision-making. While every effort is being made to make maximum use of the existing soil inventory data, the interpretative program should now emphasize the analysis of primary soil data sets in developing soil/site productivity evaluations using multiple regression techniques.

- 4/ Emphasize species productivity - soil/site relationships in the interpretative program.

Reason: Since the initiation of the program, OMNR staff have indicated that this is where they have the greatest interpretative need and where there is the least knowledge.

I trust that this letter provides a satisfactory basis on which Mr. Taylor may proceed with the contract work.

Yours sincerely,

Geoffrey Pierpoint
Contract Administrator
Ontario Tree Improvement and
Forest Biomass Institute
Maple, Ontario L0J 1E0

Telephone: 416-832-2761

GP/k

APPENDIX B.1. OMNR ADMINISTRATIVE REGIONS AND DISTRICTS IN RELATION TO PHYSIOGRAPHIC REGIONS.

REGION	DISTRICT	PHYSIOGRAPHIC REGIONS in numeric order as in Appendix B.2	
Central	Huron	1. Niagara Escarpment	28. Oak Ridges
		5. Horseshoe Moraines	29. Peterborough Drumlin Field
		7. Dunulk Till Plains	32. Schomberg Clay Plain
		9. Hillsburgh Sand Hills	33. Simcoe Uplands
	Cambridge	11. Niagara Escarpment	11. Guelph Drumlin Field
		15. Horseshoe Moraines	12. Teeswater Drumlin Field
		16. Flamborough Plain	22. Norfolk Sand Plain
		17. Dunulk Till Plains	23. Haldimand Clay Plain
		18. Stratford Till Plain	30. South Slope
		19. Hillsburgh Sand Hills	31. Peel Plain
	Lindsay	28. Oak Ridges	34. Simcoe Lowlands
		29. Peterborough Drumlin Field	35. Dummer Moraines
		30. South Slope	36. Iroquois Plain
		32. Schomberg Clay Plain	
	Maple	1. Niagara Escarpment	31. Peel Plain
		28. Oak Ridges	32. Schomberg Clay Plain
29. Peterborough Drumlin Field		34. Simcoe Lowlands	
30. South Slope		36. Iroquois Plain	
Niagara	1. Niagara Escarpment	36. Iroquois Plain	
	23. Haldimand Clay Plain		
Southwestern	Alymer	5. Horseshoe Moraines	16. Caradoc Sand Plains
		8. Stratford Till Plain	17. Ekfrid Clay Plains
		14. Oxford Till Plain	18. Bothwell Sand Plain
		15. Mount Elgin Ridges	22. Norfolk Sand Plain
	Chatham	5. Horseshoe Moraines	20. Pelee Island
		18. Bothwell Sand Plain	21. Erie Spits
		19. St. Clair Clay Plains	25. Huron Slope
	Owen Sound	1. Niagara Escarpment	13. Arran Drumlin Field
		12. Beaver Valley	24. Saugeen Clay Plain
		13. Bighead Valley	25. Huron Slope
		14. Cape Rich Steps	26. Huron Fringe
		15. Horseshoe Moraines	27. Bruce Peninsula
		17. Dunulk Till Plains	
	Simcoe	5. Horseshoe Moraines	22. Norfolk Sand Plain
		21. Erie Spits	23. Haldimand Clay Plain
	Wingham	5. Horseshoe Moraines	12. Teeswater Drumlin Field
17. Dunulk Till Plains		25. Huron Slope	
18. Stratford Till Plain		26. Huron Fringe	

APPENDIX B.2. LANDFORMS, SOIL MATERIALS, SOIL SERIES CATENAS AND FOREST COVER IN RELATION TO PHYSIOGRAPHIC REGIONS.

PHYSIOGRAPHIC REGION	LANDFORM	SOIL MATERIALS (TEXTURE GROUP)	SOIL SERIES CATENA	FOREST COVER
1. Niagara Escarpment	Escarpment	SHA, FLY	Farlington loam, Breppen	25, 17, 5, 15, 7
	river valley	FLY	loam, Oneida clay loam	25, 22, 7
2. Beaver Valley	river valley	FLY, CYF	Vincent clay loam	25, 22, 7
			Kewbie silty clay loam	17, 18
			Toledo clay	21, 2
3. Bighead Valley	river valley	FLY, CYF	Vincent clay loam, Saugeen	25, 22, 7
	ground moraines	FLY, CYF	Saugeen silty clay loam	25, 22, 7
	drumlins	C, LMY	Osprey loam	25, 22, 7
4. Cape Rich Steps	lacustrine plains	CYF, SHA	Saugeen silty clay loam	22, 21, 25
	drumlins	C, LMY	Leith silty clay loam	25, 22, 10, 17
	lacustro-till	FLY	Osprey loam	25, 22, 7
5. Horseshoe Moraine	moraines	CYF	Dunedin cly	25, 22, 10, 17
	ground moraine	GLY, CYF	Huron clay loam	25, 22, 21, 17, 23, 10, 9
	ground moraine	C, LMY	Harriston loam	22, 25, 7
	drumlins	GLY	Harkaway loam	22, 25, 7
	kame moraines	C, LMY, GLY, GSY	Pike Lake loam, Osprey loam	22, 25, 24, 15, 7
	outwash plains	SDY, GSY	Sullivan sand	22, 24, 15, 7, 26
	teskers	GSY	Burford loam	17, 15, 26, 24, 22, 1
	end moraines	GLY	Donnybrook sandy loam	17, 15, 26, 24, 22, 1
	kame moraines	GLY, C, LMY	Dunfries loam	17, 22, 15, 25, 1
6. Flamborough Plain				
	limestone plain	SHA, CLY	Farlington loam	11, 25, 13, 4
	drumlins	C, LMY	Guelph loam	25, 22, 24
7. Dundalk Till Plain				
	ground moraine	FLY, C, LMY, SIY	Perth, Brookston clay loam	16, 2, 25, 3, 4, 17
	loess/g. moraine	SIY, C, LMY	Honeywood silt loam	25, 22, 26, 24, 21
	ground moraine	C, LMY, SIY	Harriston loam	25, 22, 24, 7
8. Stratford Till Plain	ground moraine	FLY, SIY	Huron clay loam	25, 22, 17, 10, 1, 21
9. Hillsburgh Sand Hills	kame moraines	SDY, GSY	Donnybrook sandy loam	17, 15, 26, 25, 24, 6
	dunes	SDY		24, 26, 11, 25, 21, 6
10. Waterloo Hills	kames	SDY, GSY	Waterloo sandy loam	15, 7, 25, 24, 22, 1, 6
	outwash plains	SDY	Fox sandy loam	15, 7, 25, 24, 22, 1, 6
11. Guelph Drumlin Field	drumlins	C, LMY, GLY	Guelph loam	25, 22, 24, 17, 11, 7
	ground moraines	C, LMY, GLY	London, Parkhill loam	17, 6, 2, 1, 3, 4
	river terraces	GLY, GSY, VGR	Burford loam	17, 15, 22, 24

APPENDIX B.2 CONT'D. LANDFORMS, SOIL MATERIALS, SOIL SERIES CATEWS AND FOREST COVER IN RELATION TO
PHYSIOGRAPHIC REGIONS.

PHYSIOGRAPHIC REGION	LANDFORM	SOIL MATERIALS (TEXTURE GROUP)	SOIL SERIES CATEWS	FOREST COVER
12. Teeswater	!drumlins	!GLY,C.LMY,SIY	!Harriston silt loam	!22,25,24,6,2
Drumlin	!ground moraines	!SIY	!Teeswater silt loam	!22,25,24,6
Field	!kames	!GLY,GSY,VGR,SDY	!Donnybrook sandy loam	!24,7,4,2
13. Arran	!drumlins	!C.LMY,SIY	!Harriston silt loam	!22,25,21,7
Drumlin	!lacustrine plains	!FLY,CYY	!Chesley silty clay loam	!21,2,14,3
Field				
14. Oxford Till	!drumlins	!C.LMY,SIY	!Thorndale silt loam	!22,11,10,16,2
Plain	!ground moraines		!Guelph loam,Honeywood silt loam	!22,11,10,16,2
			!Parkhill loam	!16,14,2,1,9
15. Mount Elgin	!ground moraine	!FLY	!Huron clay loam	!22,10,17,25
Ridges		!CYY	!Melborne clay	!25,22,21,17,10,19,14
		!SIY-C.LMY	!Honeywood silt loam	!25,22,21,17,10,19,14
16. Caradoc	!deltaic	!SDY,FLY	!Oshtemo sand,Berrien sandy loam	!22,26,10,12,16,20
Sand Plain	!dune	!SDY	!Plainfield sand	!15,20,11,26
	!alluvial terraces	!GLY,GSY,VGR,C.LMY	!Durford loam	!15,7,20,16,10,22
17. Ekfrid Clay	!lacustrine plain	!CYY,FLY	!Melbourne clay	!25,22,21,17,10,19,14,5
Plain		!SIY,FLY	!Bennington silt loam	!22,25,21,17,10,18,20,13,14
18. Bothwell	!deltaic	!SDY,CYY	!Bookton sandy loam	!24,22,26,11,17,18,5
Sand Plain				!12,16,6,13,14
19. St. Clair	!lacustrine plain	!CYY,FLY	!Brookston clay loam	!9,13,14,8
Clay Plains				
20. Pelee	!lacustrine plain	!CYY,FLY,SHA	!Brookston clay loam	!9,13,14,152,8
Island				
21. Erie Spits	!spits	!SDY,GSY	!Plainfield sand	!15,16,7
	!dunes	!SDY		
22. Norfolk	!deltaic	!SDY,GSY,SIY	!Plainfield sand	!15,18,16,11,12,20
Sand Plain	!dunes	!SDY		!141,22,25,24,21,18,151
23. Haldimand	!lacustrine plain	!CYY	!Jeddo clay	!88,89,40,41
Clay Plain	!ground moraine	!FLY,CYY,SIY	!Haldimand clay	!74,78,17,23,150,40
24. Saugeen	!lacustrine plain	!FLY,CYY	!Saugeen silty clay loam	!25,22,6,14,15
Clay Plain		!SDY,C.LMY	!Berrien sandy loam	!146,141,21,2,6
25. Huron Slope	!lacustrine plain	!FLY,CYY	!Brookston clay loam	!21,89,88,2,6
	!beaches,deltaic	!SDY,C.LMY	!Berrien sandy loam	!146,141,21,26,55

APPENDIX B.2 CONT'D. LANDFORMS, SOIL MATERIALS, SOIL SERIES CATEWS AND FOREST COVER IN RELATION TO
PHYSIOGRAPHIC REGIONS.

PHYSIOGRAPHIC REGION	LANDFORM	SOIL MATERIALS (TEXTURE GROUP)	SOIL SERIES CATEWS	FOREST COVER
26. Huron	!beach deposits	!SDY,GSY	!Plainfield sand	!140,34,141,159
Fringe	!dunes	!SDY	!Eastport sand	!34,140
27. Bruce	!limestone plain	!SHA,C.LMY	!Farmington loam	!15,14,6
Peninsula		!SHA	!Breyden land type	!15,14,6,25,22
28. Oak Ridges	!end moraine	!SDY,SGY,VGR	!Brookston clay loam	!21,89,88,2,6
	!outwash plains	!SDY,GSY	!Berrien sandy loam	!146,141,21,2,6,89
29. Peterborough	!drumlins	!C.LMY,SLY	!Otonabee loam,Bondhead loam	!22,34,140,15,11,26,25
Drumlin	!lacustrine plains	!FLY,CYY,SIY	!Simcoe silty clay loam,Foxboro	!89,21,88,6,2,14,15
Field			!silt loam	
30. South Slope	!drumlins	!C.LMY,SLY	!Bondhead loam	!22,34,140,25,26,11,15
	!ground moraines	!FLY,C.LMY	!Oneida clay loam	!25,26,22,140,34,74,11
31. Peel Plain	!lacustrine plains	!CYY,FLY	!Peel clay	!88,89,2,6,14,21
32. Schomberg	!lacustrine over	!FLY,C.LMY	!Schomberg clay loam	!22,25,21,34,140
Clay Plains	!drumlinized		!Simcoe silty clay loam	!2,21,6,14,88,89
	!landscape			
33. Simcoe	!lacustrine plain	!FLY,CYY	!Simcoe silty clay loam	!21,89,2,6,14,15,88
Lowlands	!deltaic	!SDY,C.LMY	!Alliston sandy loam	!34,2,6,21,24
34. Simcoe	!outwash plains	!SDY,GSY	!Tioga sand	!34,140,25,22,24,159
Uplands	!sand dunes			
	!deltaic deposits			
35. Dummer	!ground moraine	!CLY,C.LMY	!Dummer loam	!34,22,25,15,6
Moraines				
36. Iroquois	!lacustrine plain	!SDY,C.LMY	!Vineland sandy loam	!41,89,88,41
Plain	!deltaic	!SDY,C.LMY	!Fox sandy loam	!34,140,18,74,17
	!lacustrine plain	!C.LMY,SIY	!Newcastle loam	!22,25,74,17

APPENDIX B.3. LIST OF "FOREST COVER TYPES"

SITE POSITION & PHYSIOGNOMY	SHADE TOLERANCE	STAND TYPES () = dominant commercial regeneration	SITE REGION
Upland Mesic Hardwoods	Tolerant	25. Mh (Mh)	6E-7E
		22. Mh-Ba-Aw (Mh-Ba)	6E-7E
		24. Mh-Cb (Mh)	7E-6E
		21. Ba (Ba)	7E-6E
	Intermediate	26. Mh-Dr (Mh)	7E-6E
		11. Or-Mh-Ba (Or-Ba-Mh)	6E-7E
		17. Aw-Mh-Or-Bd (Aw-Or-Mh)	7E-6E
		23. Aw (Aw)	7E-6E
		18. Or-Mh-Aw (Aw-Mh-Or)	7E-6E
		10. Aw-Hi-Mh (Mh-Aw-Hi)	7E
		5. Dw	7E
	Intolerant	12. Cb-Aw-Mh	7E
		16. Or-Cb-Mr (Or-Mr)	7E-6E
		19. Hs-Mh-Hb (Mh-Hs-Hb)	7E
		20. Or-Hb (Hb)	7E
Upland Mesic Mixedwoods	Intermediate	15. Or-Pw (Pw-Or)	6E-7E
	Intolerant- Intermediate	17. Pw-Or-Mr-Pt-Bw (mr-Pw)	6E
Lowland Hardwoods	Intermediate	8. Hs-Ag-Ms (Hs-Ag)	7E
		9. Ms-Aw-Hs (Ms-Aw-Hs)	7E
	Tolerant	6. Ms-Mr (Ms-Mr)	6E-7E
		13. Ms-Ag (Ms-Ag)	7E
		14. Ms (Ms)	7E-6E
Lowland Hardwoods	Intermediate	2. Ms-By-Pb-Ab-Bd	6E-7E
Lowland Mixedwoods		1. Ce-Bf-Pb-Bw-ab (Ce-Ab)	6E-7E
		3. Ta-Ce (Ce-Ta)	6E
		4. Ce (Ce)	6E

APPENDIX C. List of commercial tree species in study area.

SOFTWOODS:

Red Pine	Pr	<i>Pinus resinosa</i> Ait.
White Pine	Pw	<i>Pinus strobus</i> L.
White Spruce	Sw	<i>Picea glauca</i> (Moench) Vos.
Norway Spruce	Sn	<i>Picea excelsa</i> L.
European Larch	Le	<i>Larix decidua</i> L.

HARDWOODS:

Hard Maple	Mh	<i>Acer saccharum</i> Marsh.
White Ash	Aw	<i>Fraxinus americana</i> L.
Red Oak	Or	<i>Quercus borealis</i> Michx. f.
Black Cherry	Cb	<i>Prunus serotina</i> Ehrh.
Basswood	Bd	<i>Tilia americana</i> L.
Red Maple	Mr	<i>Acer rubrum</i> L.
Silver Maple	Ms	<i>Acer saccharinum</i> L.
Beech	Be	<i>Fagus grandifolia</i> L.
Black Walnut	Wn	<i>Juglans nigra</i> L.
White Oak	Ow	<i>Quercus alba</i> L.
Bitternut Hickory	Hb	<i>Carya cordiformis</i> (Wangh.) K.Kock

OTHER SOFTWOODS (in forest cover database only):

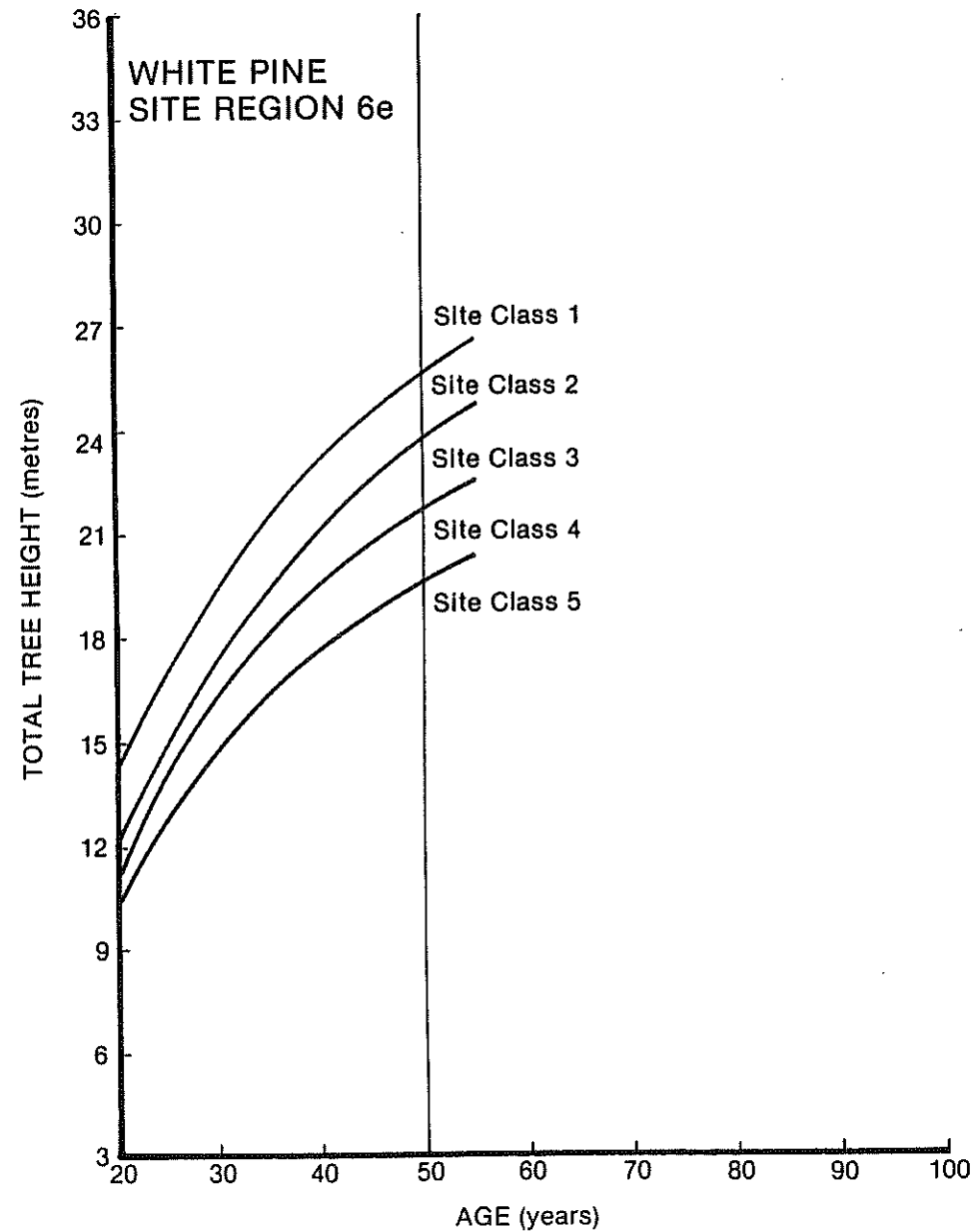
White Cedar	Ce	<i>Thuja occidentalis</i> L.
Balsam Fir	Bf	<i>Abies balsamea</i> (L.) Mill
Tamarack	Ta	<i>Larix laricina</i> (DuRoi) K.Kock
Hemlock	He	<i>Tsuga canadensis</i> L.

OTHER HARDWOODS (in forest cover database only):

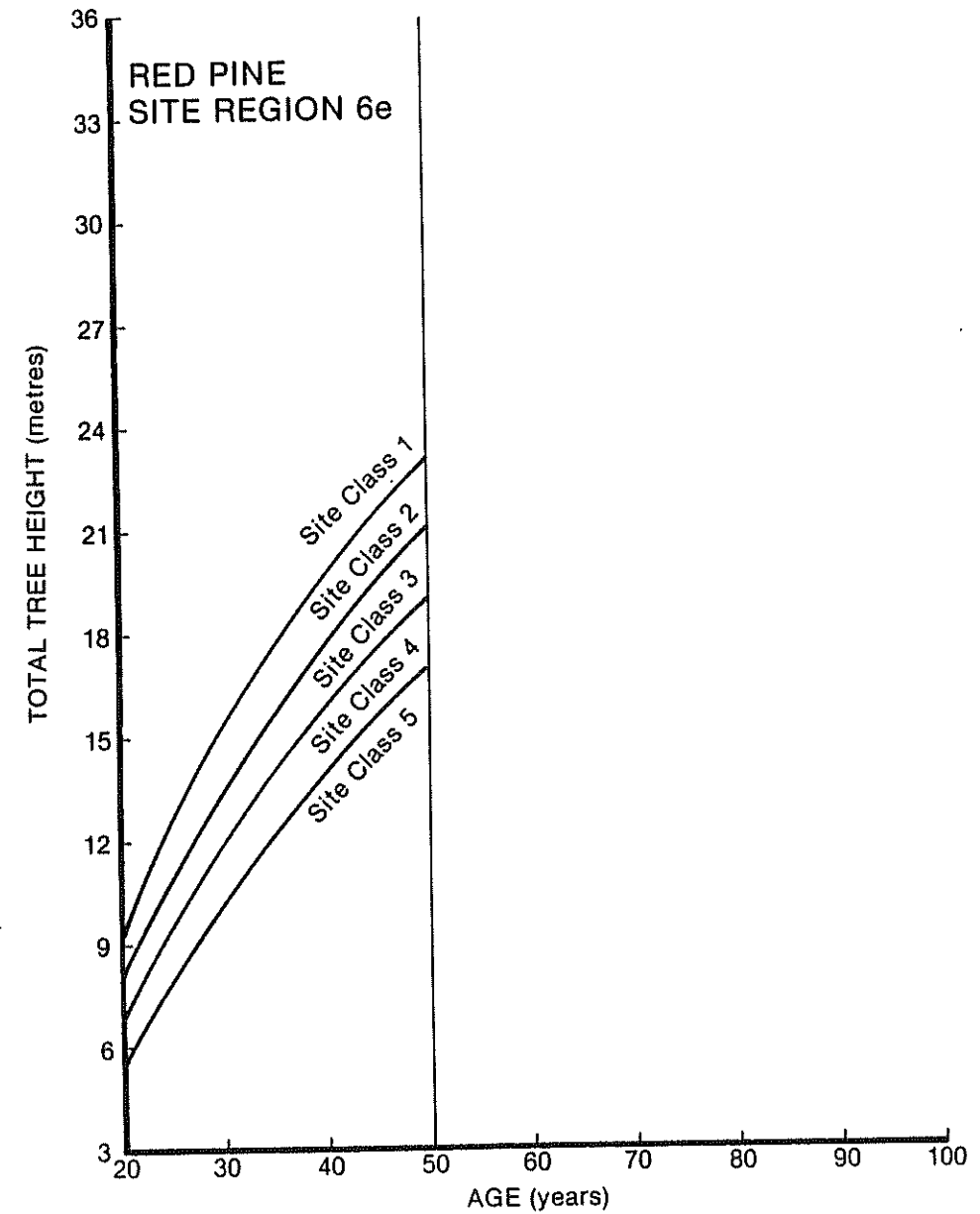
Yellow Birch	By	<i>Betula latea</i> Michx. f.
White Birch	Bw	<i>Betula papyrifera</i> Marsh
Trembling Aspen	Po	<i>Populus tremuloides</i> Michx
Balsam Poplar	Pb	<i>Populus balsamifera</i> L.
Cottonwood	Ct	<i>Populus deltoides</i> Bartr.
Ironwood	Id	<i>Ostrya virginiana</i>
Shagbark Hickory	Hs	<i>Carya ovata</i> (Mill) K.Kock
Mockernut Hickory	Hm	<i>Carya tomentosa</i> Nutt.
Butternut	Bn	<i>Juglans cinerea</i> L.
Sassafras	Sa	<i>Sassafras albidum</i> (Nutt.) Nees
Tulip	Tu	<i>Liriodendron tulipifera</i> L.
Cucumber	Cu	<i>Magnolia acuminata</i> L.

OTHER HARDWOODS (in forest cover database only) continued:

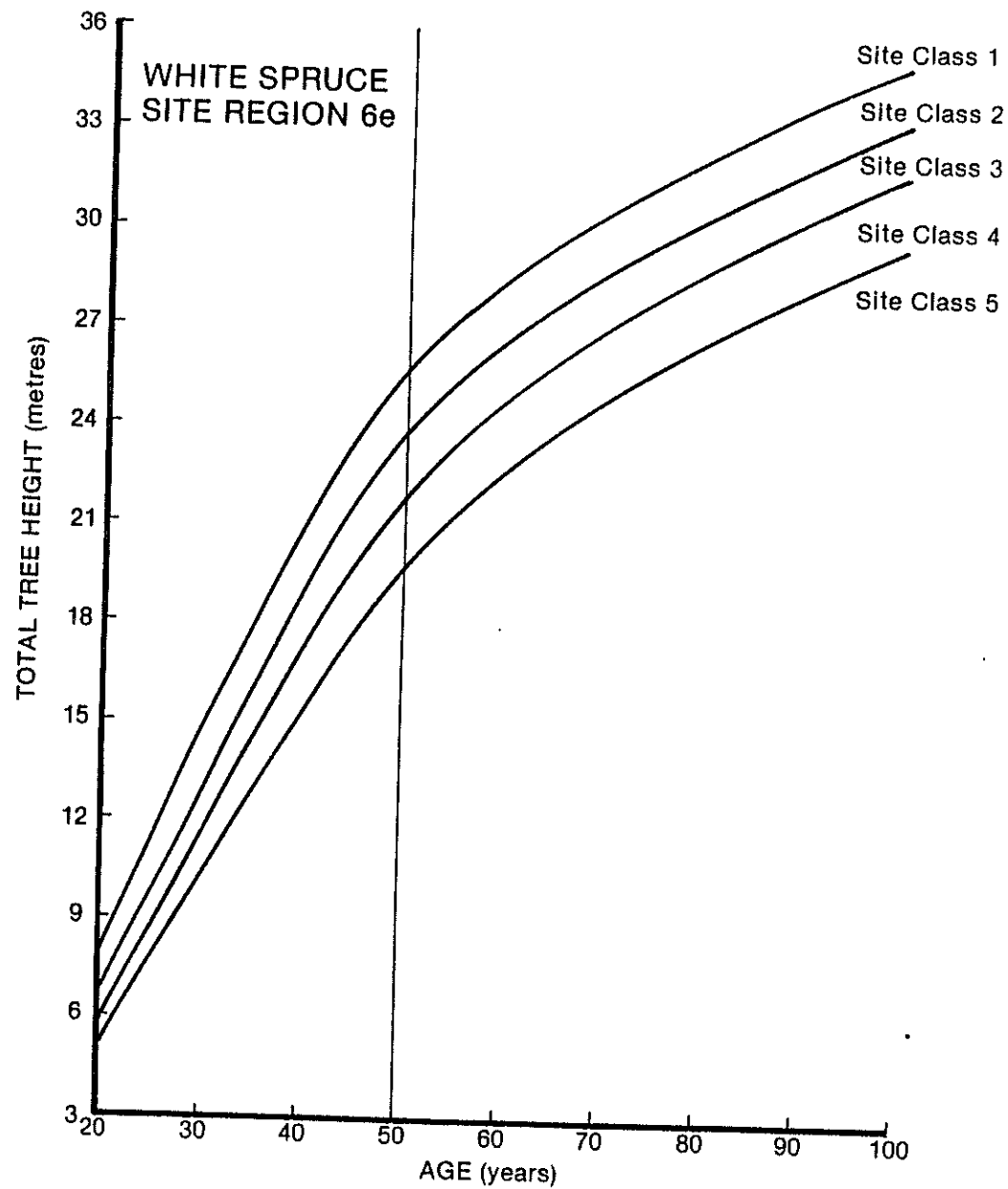
Common Name	Symbol	Scientific Name
Pin Oak	Op	<i>Quercus palustris</i> Muench.
Swamp White Oak	Osw	<i>Quercus bicolor</i> Willd.
Bur Oak	Obu	<i>Quercus macrocarpa</i> Michx
Green Ash	Ag	<i>Fraxinus pennsylvannica</i> Marsh
Black Ash	Ab	<i>Fraxinus nigra</i> Marsh
Black Oak	Ob	<i>Quercus velutina</i>
Sycamore	Sy	<i>Platanus occidentalis</i> L.



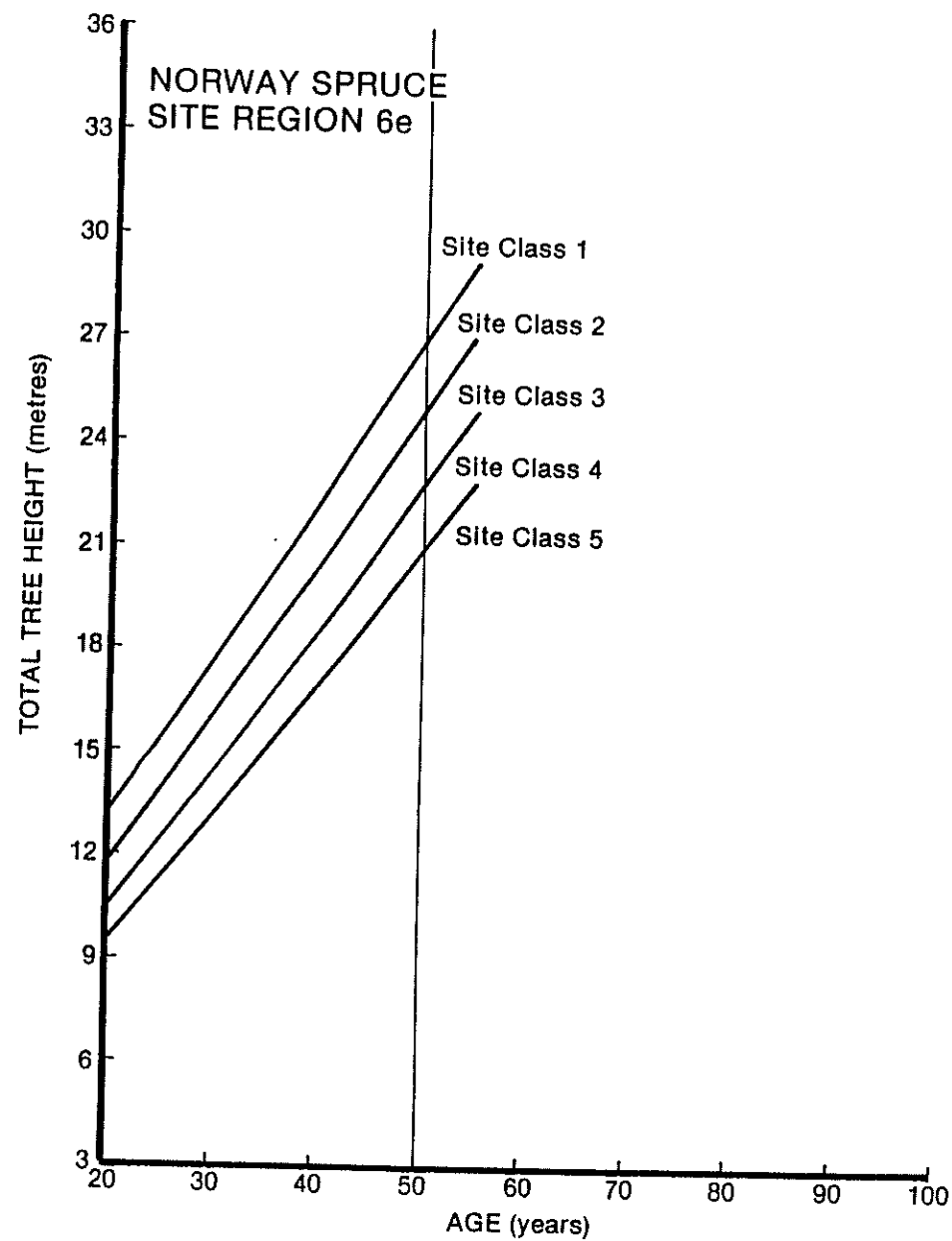
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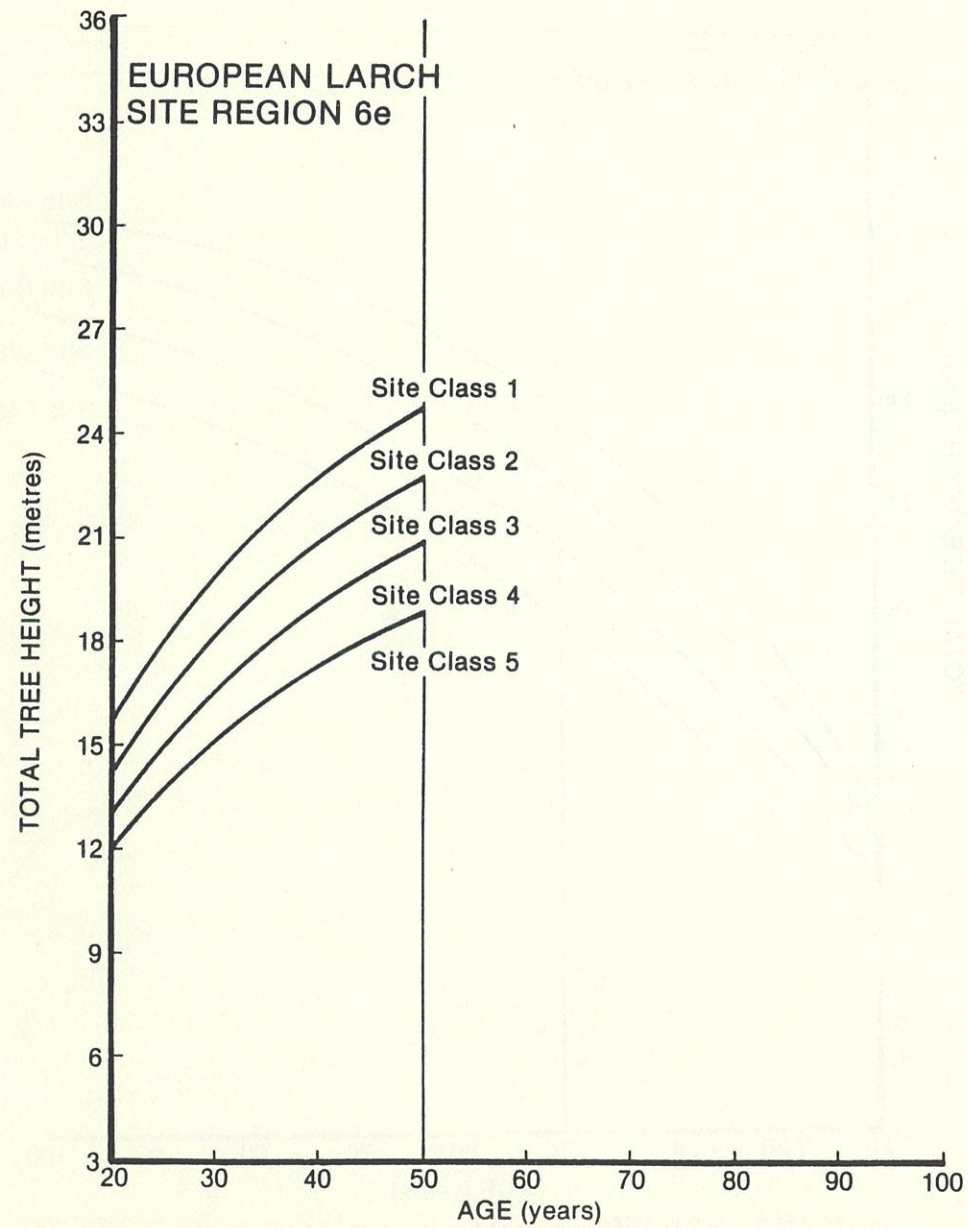
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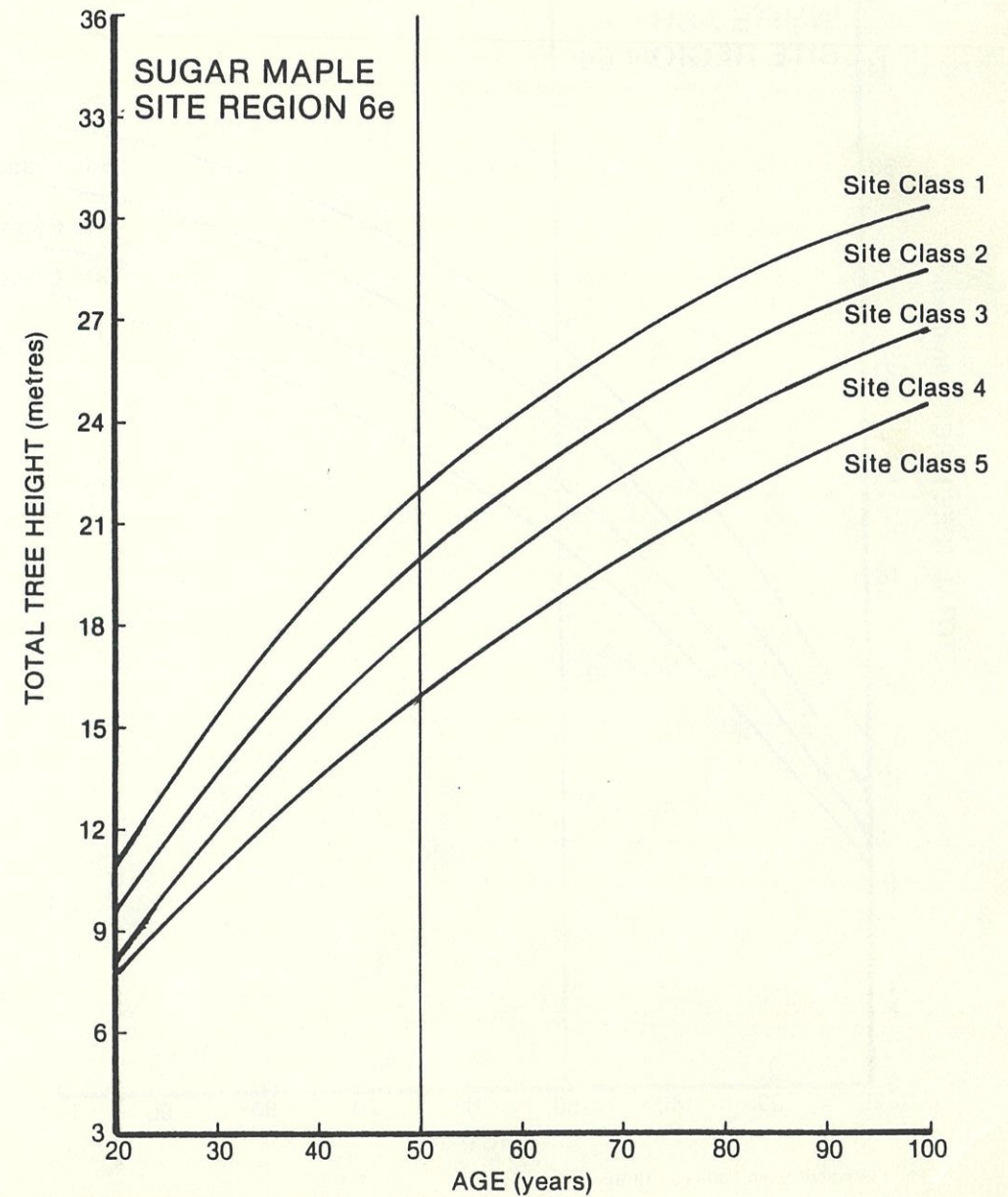
(Adapted From Carmean and Hahn, 1981)



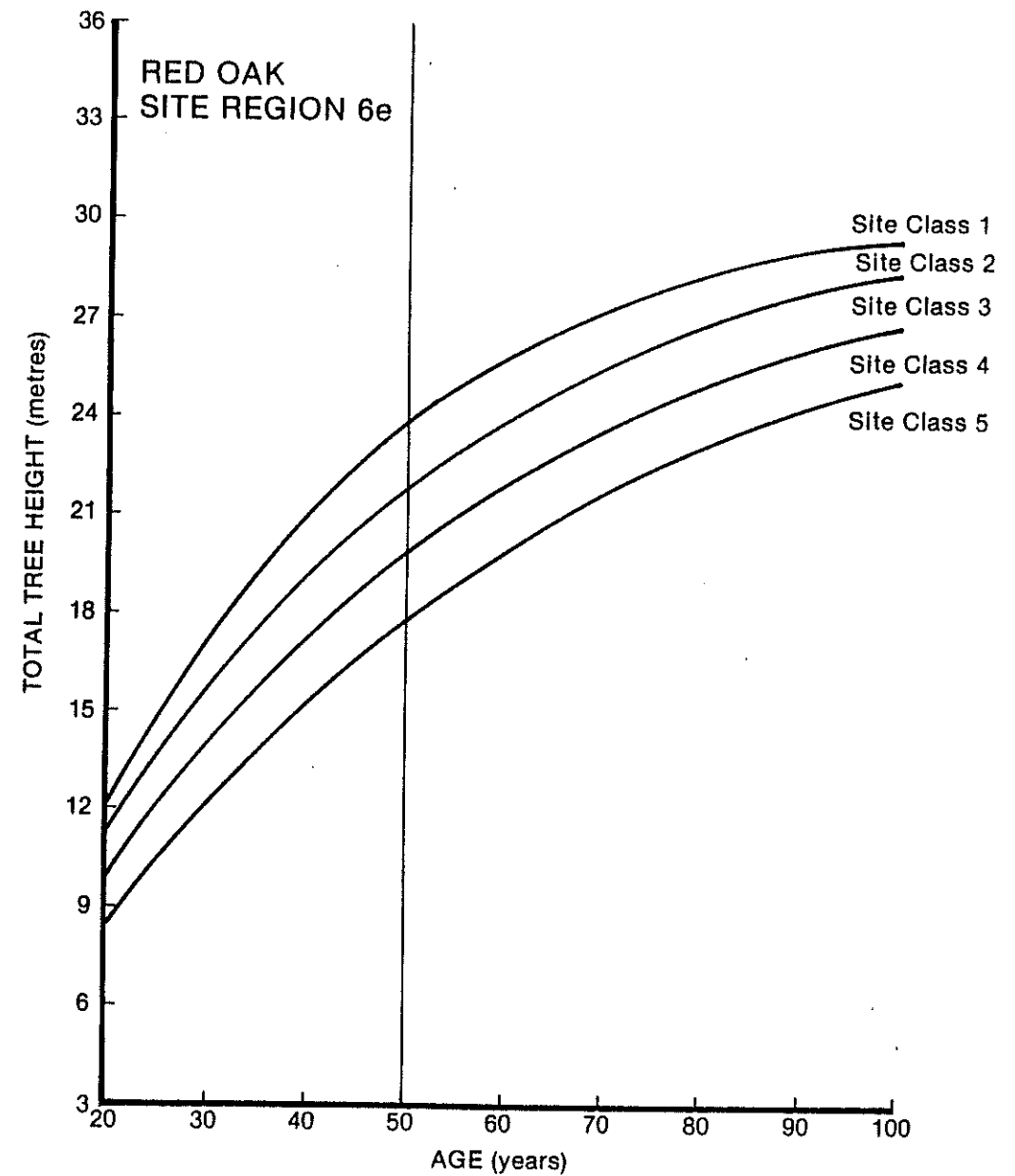
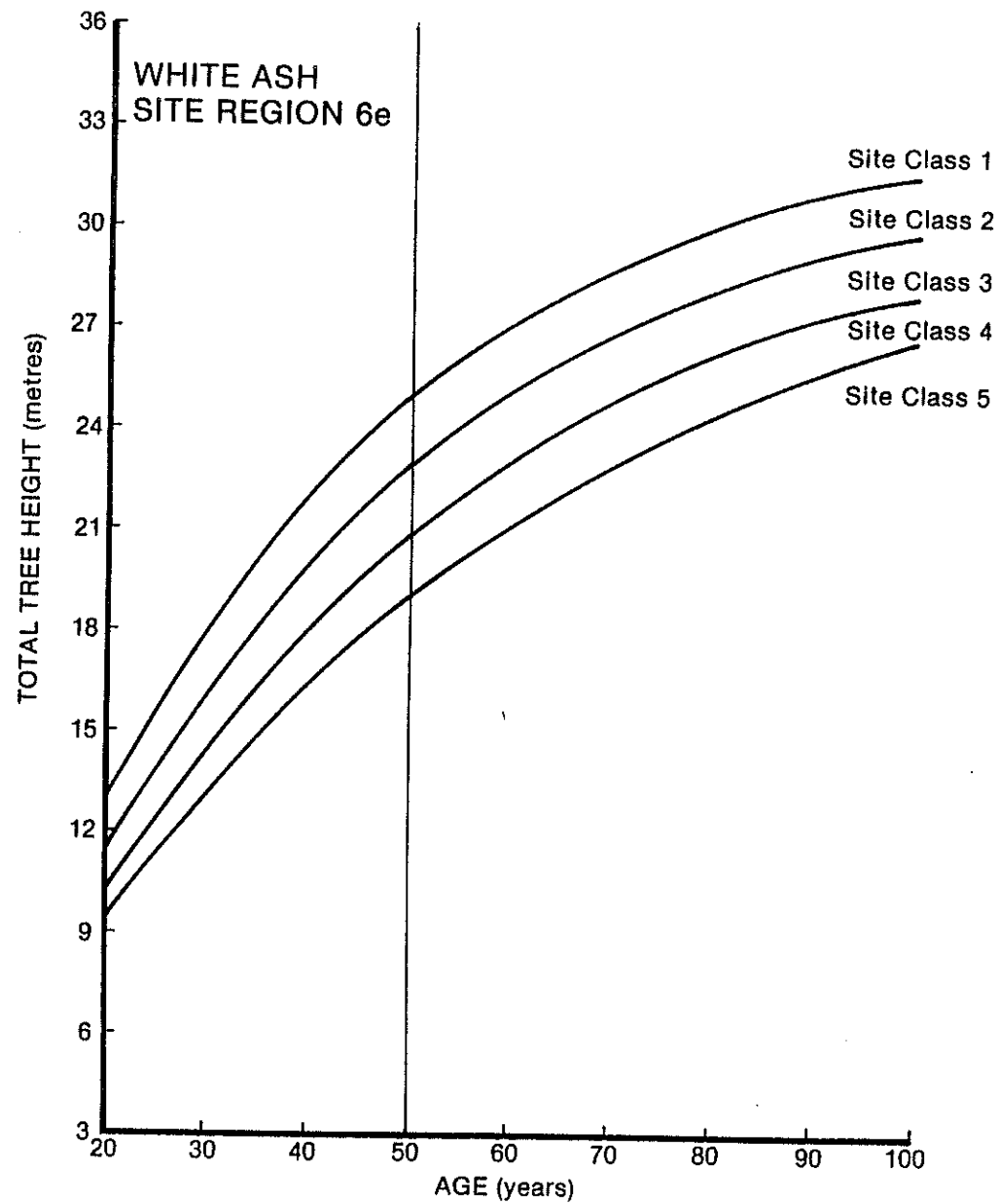
(Adapted From Hannah, 1972)



(Adapted From Aird and Stone, 1955)

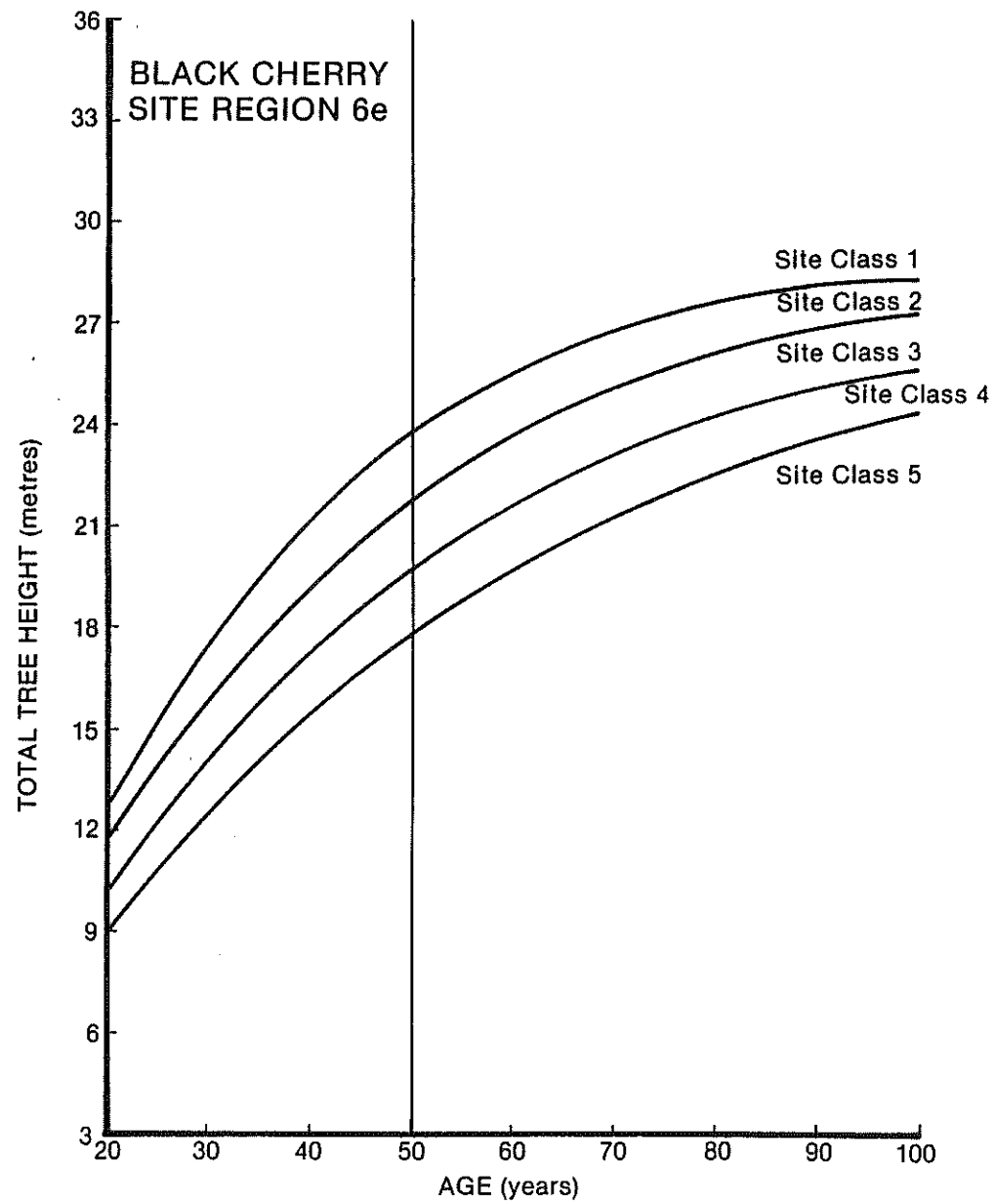


(Adapted From Carmean, 1978)

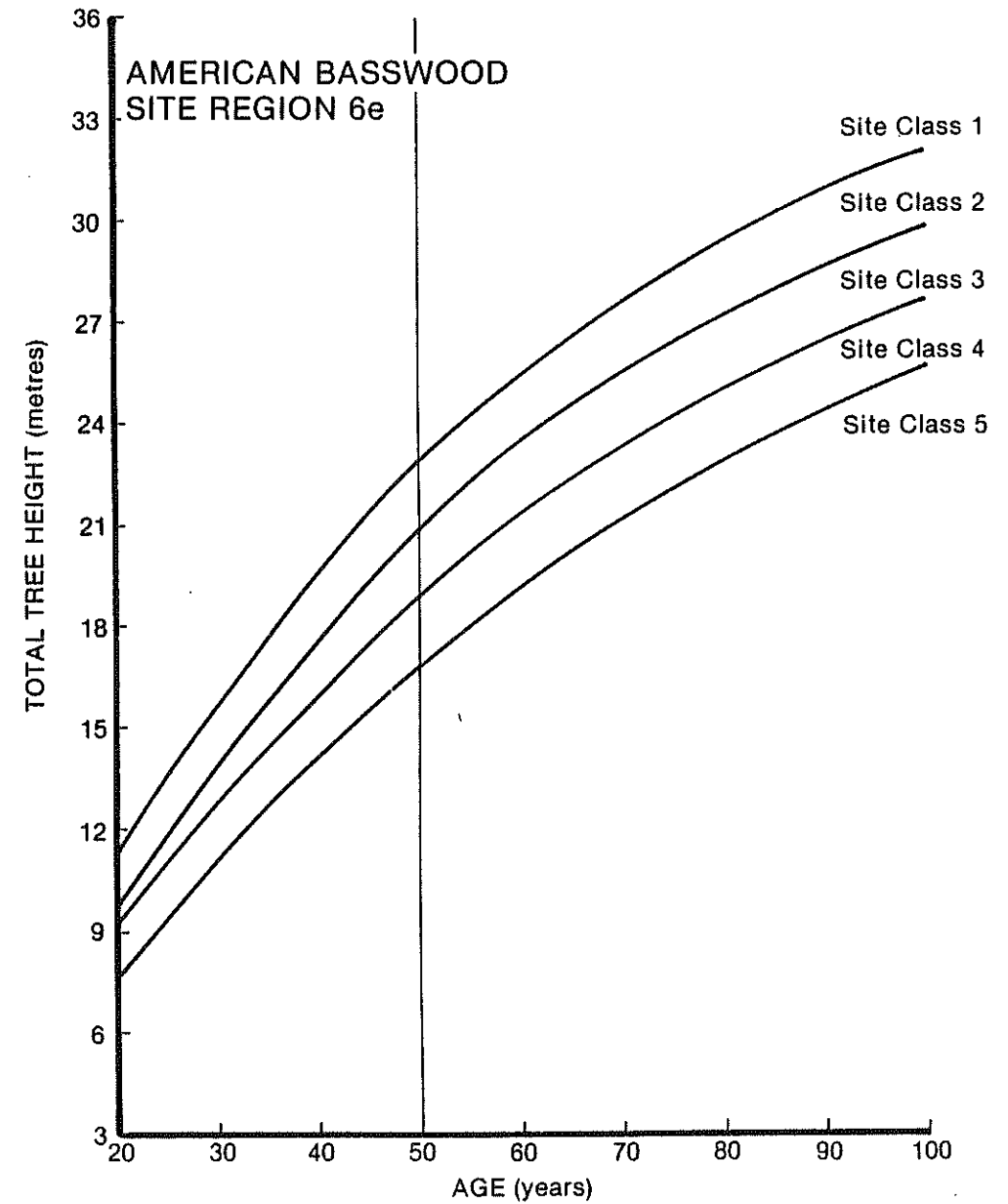


(Adapted From Carmean, 1978)

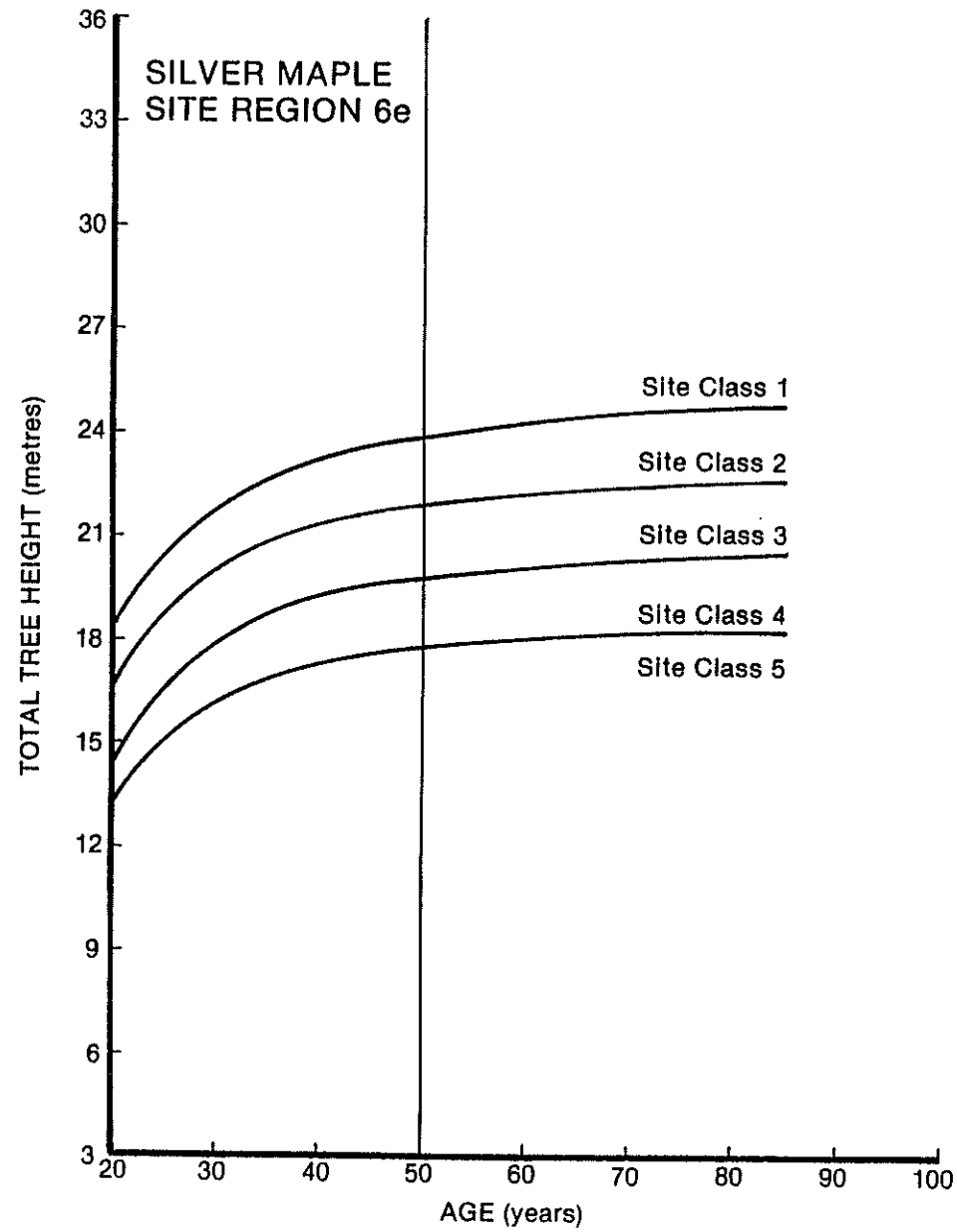
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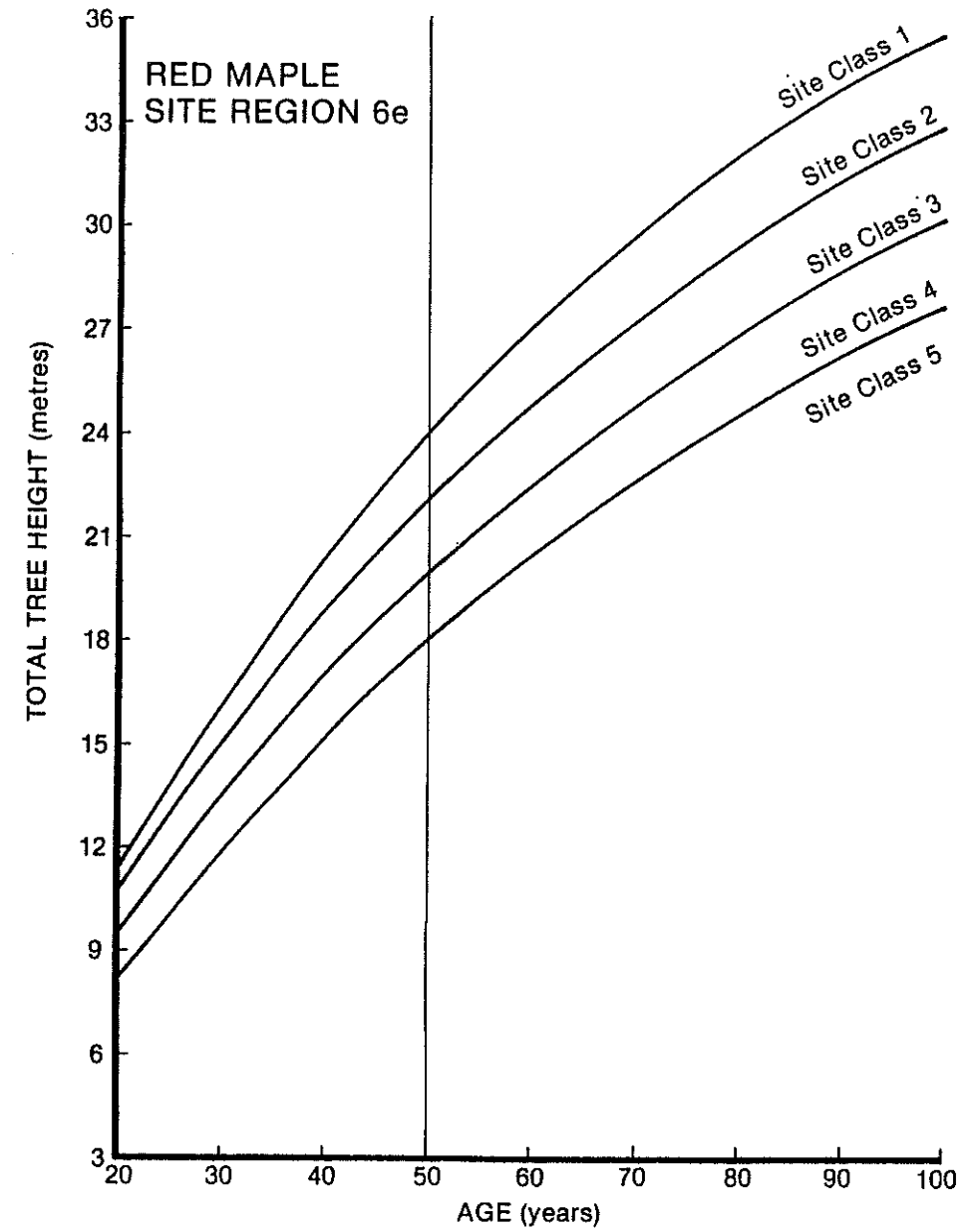
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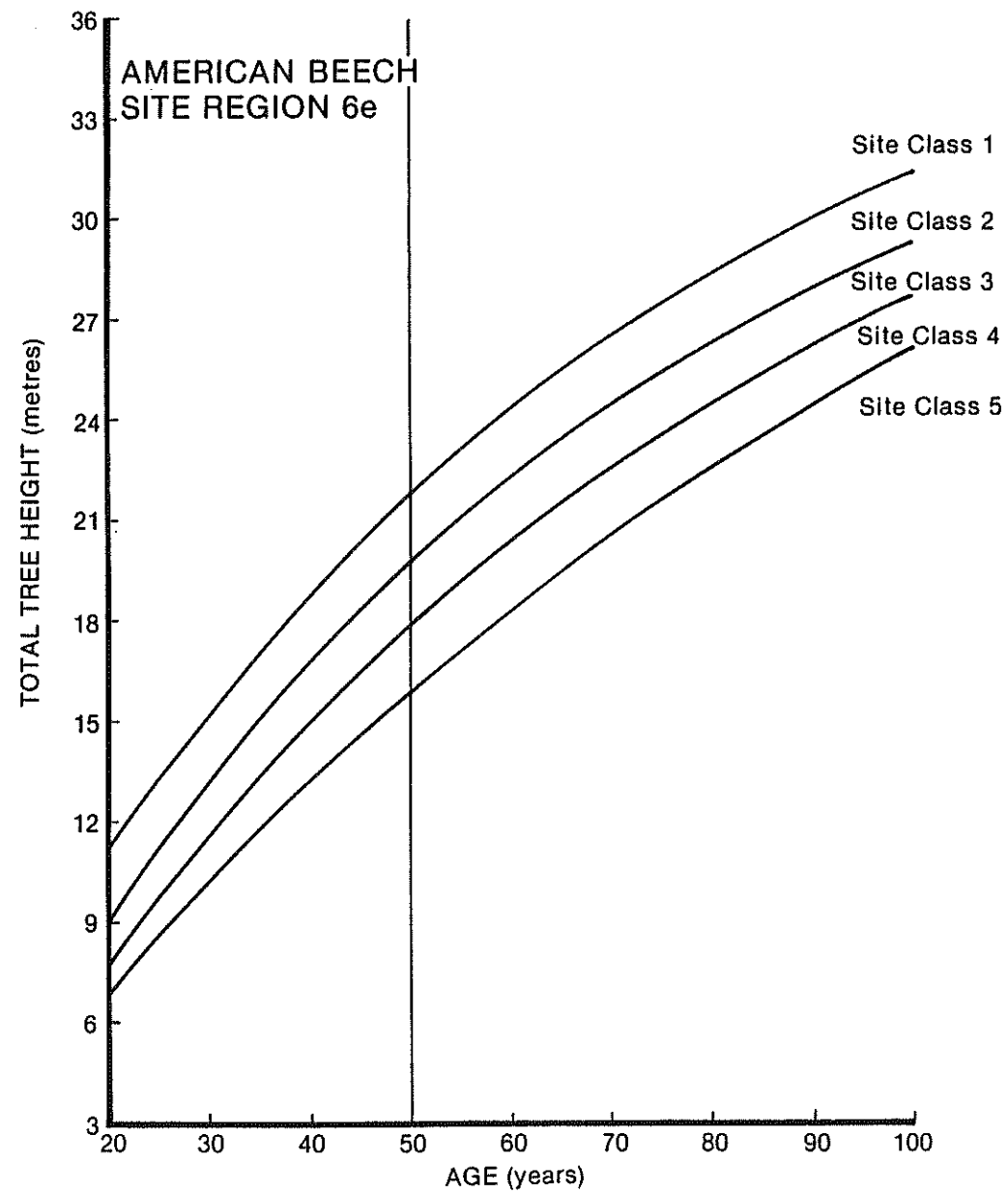
(Adapted From Carmean, 1978)



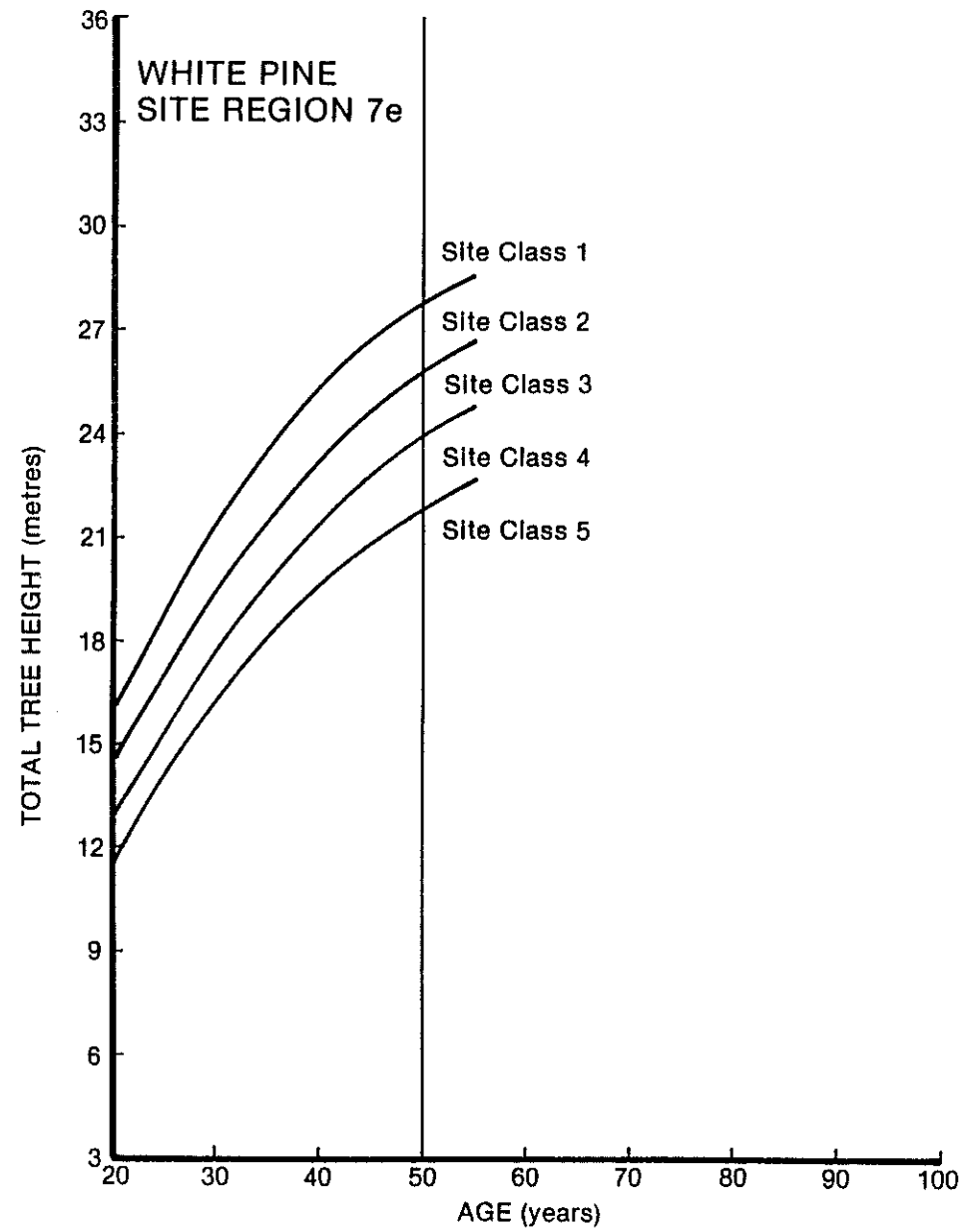
(Adapted From Lake State Site Index Curves)



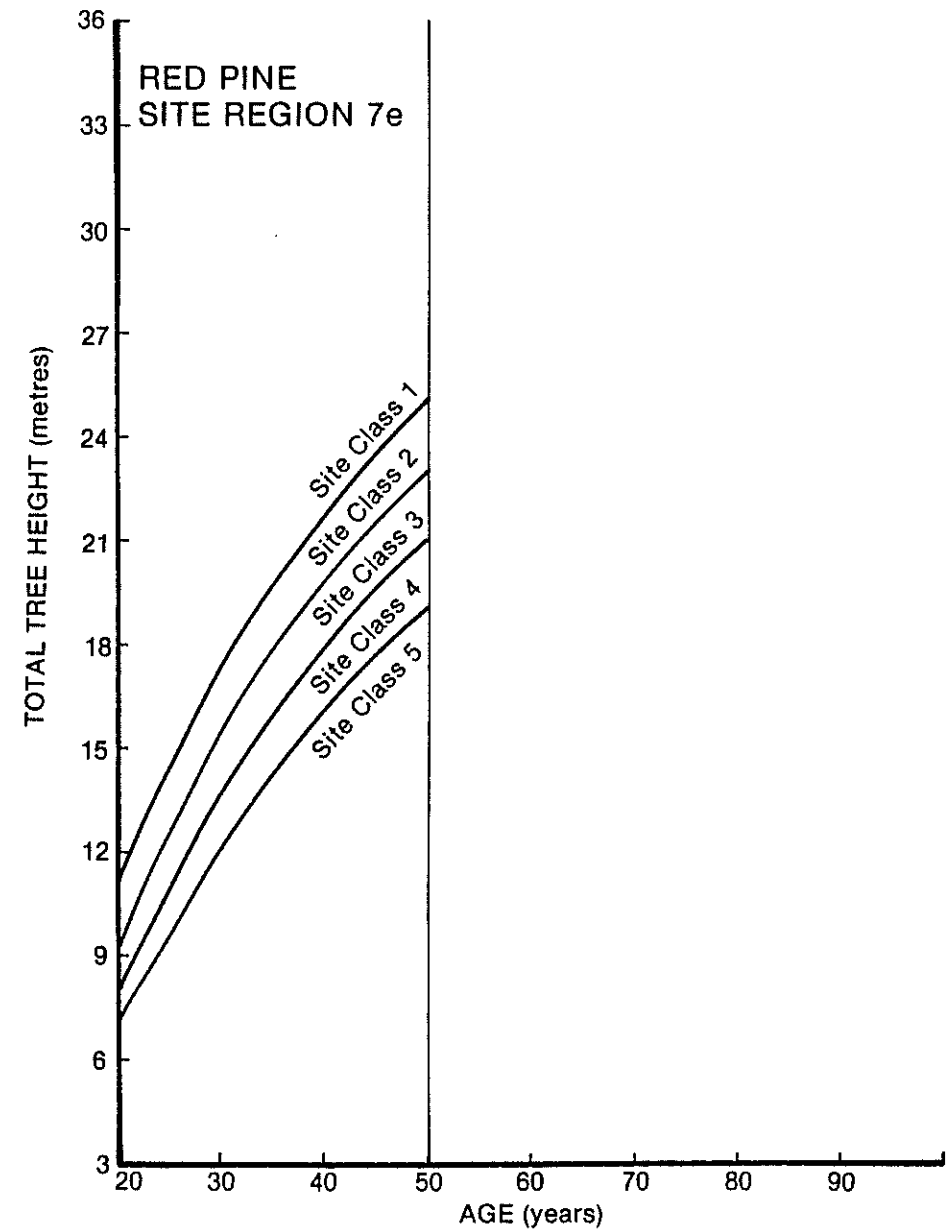
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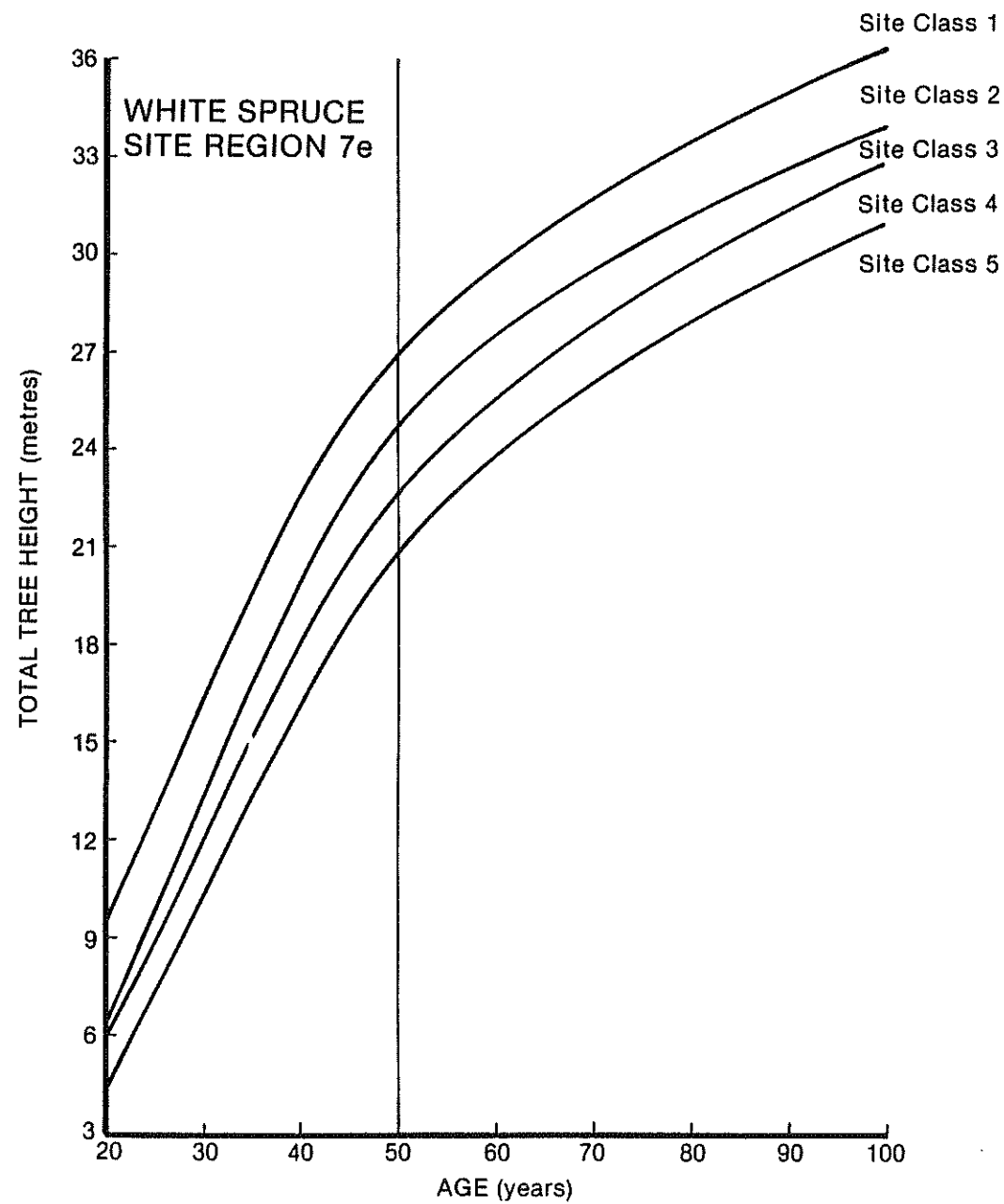
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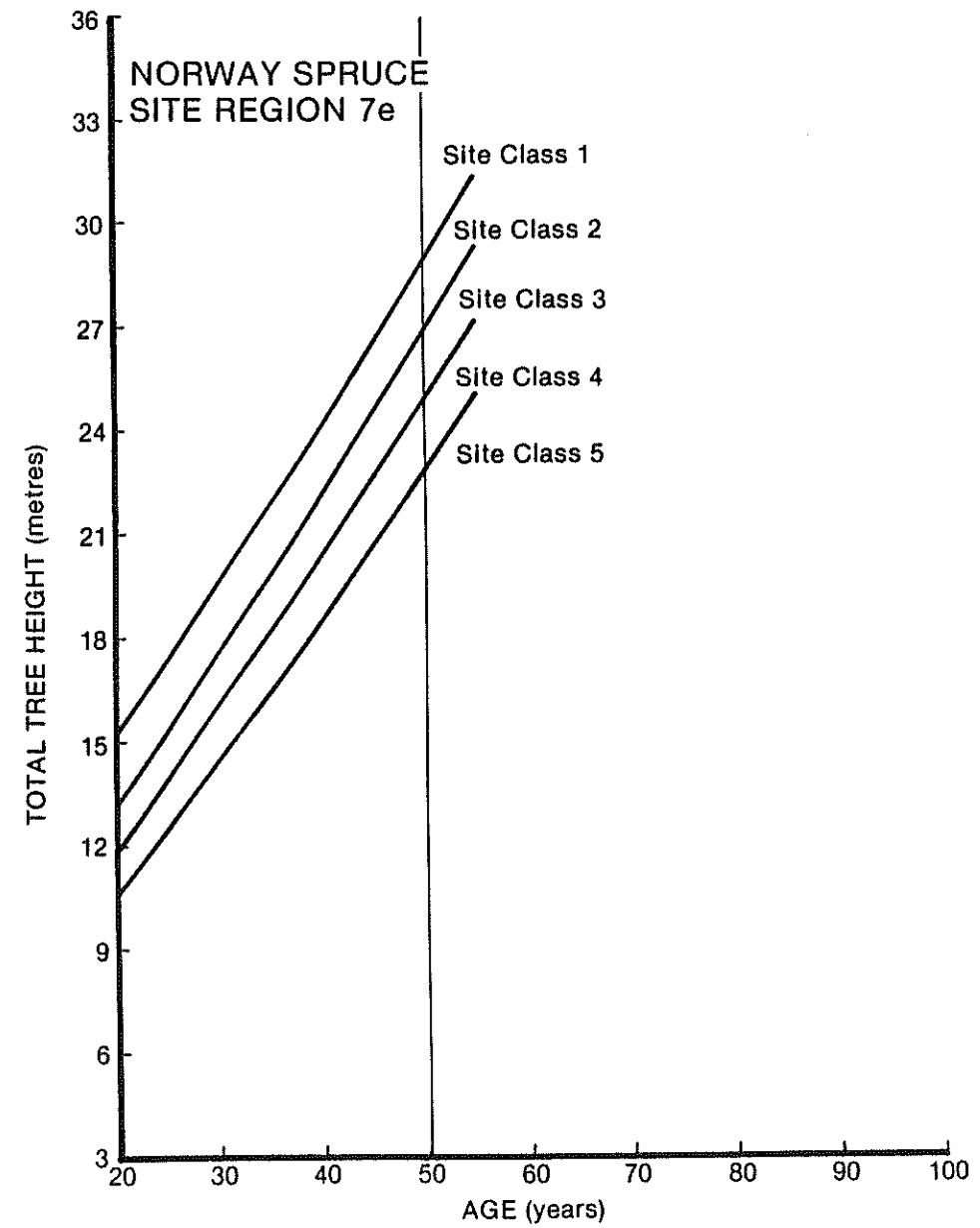
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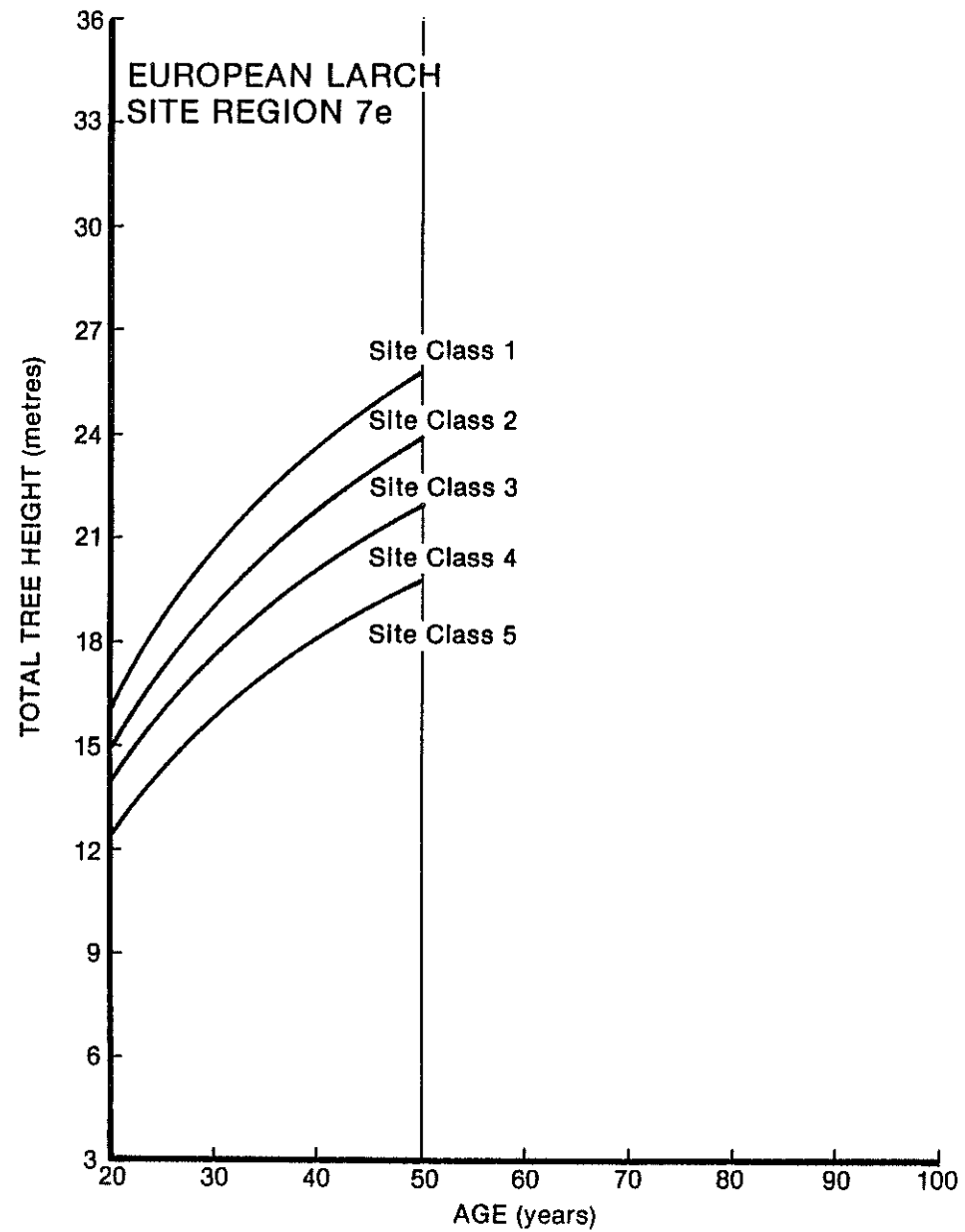
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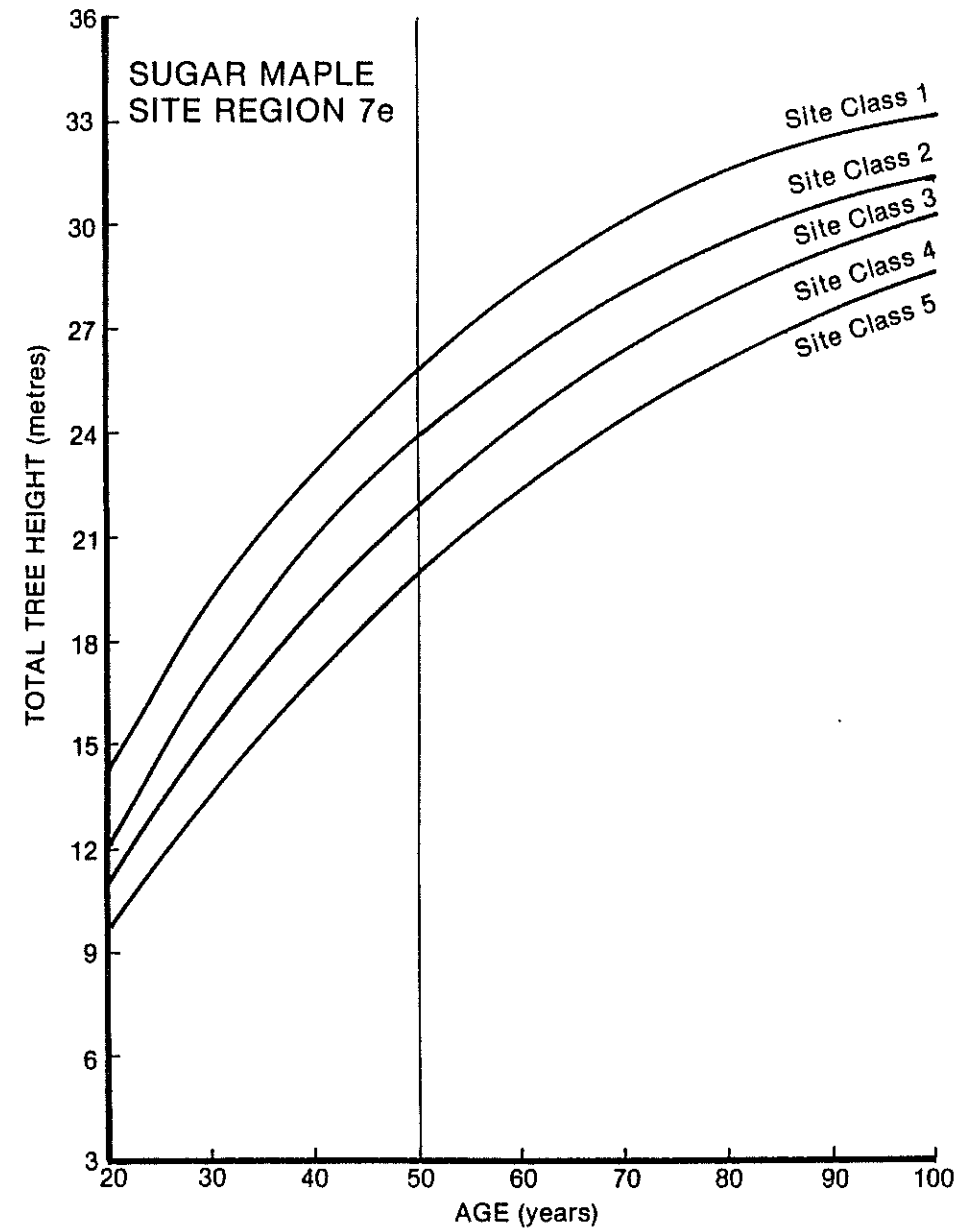
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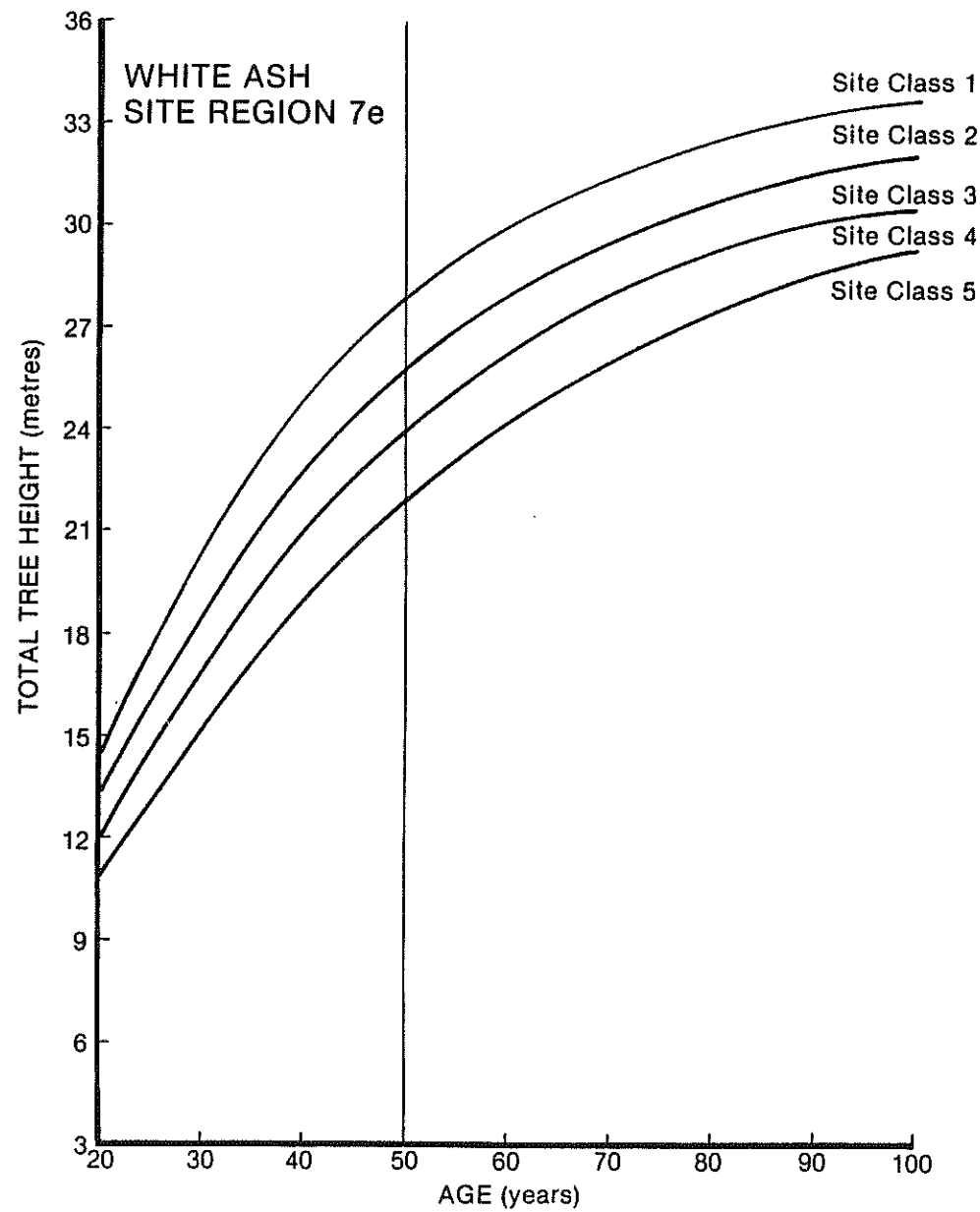
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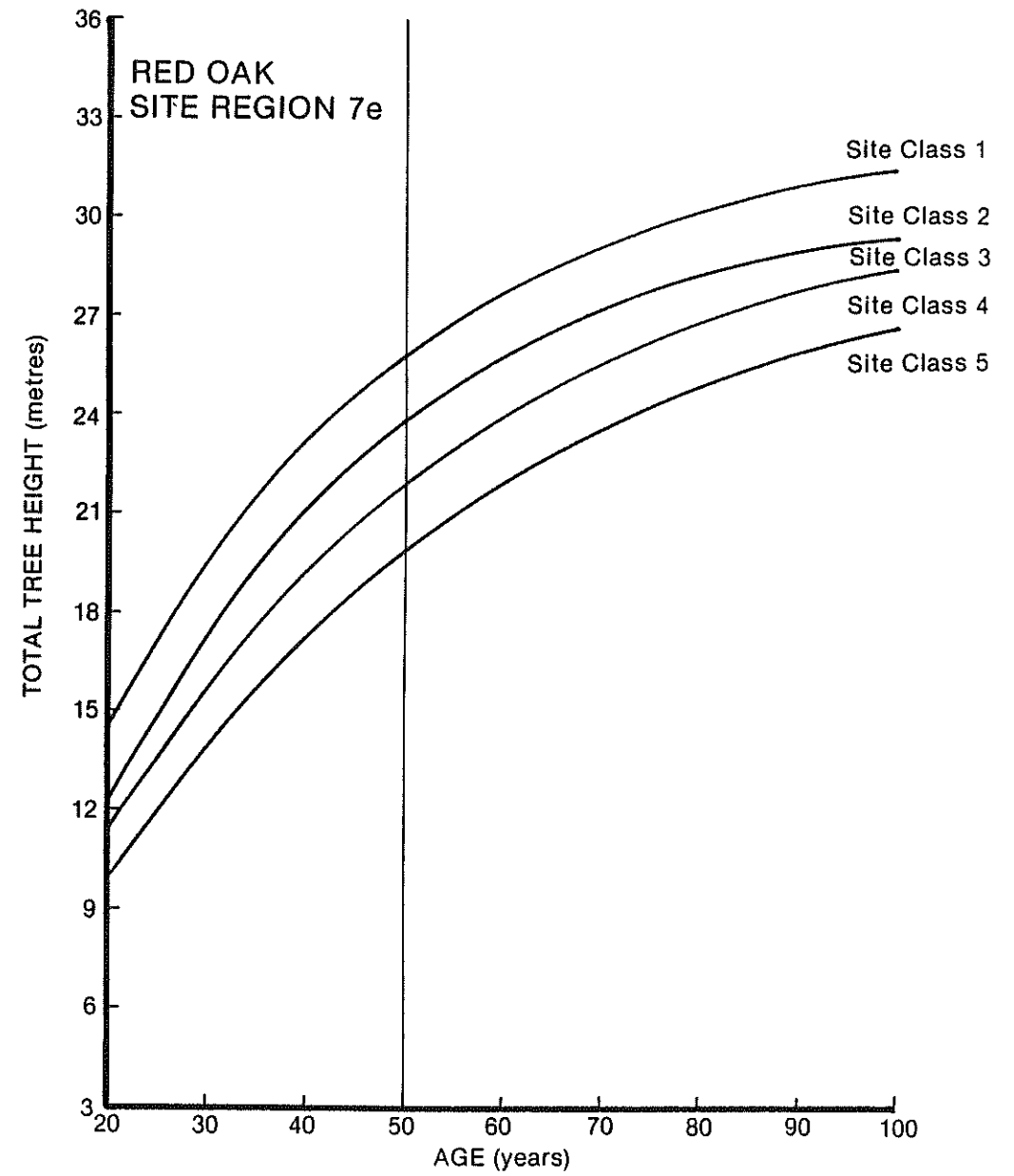
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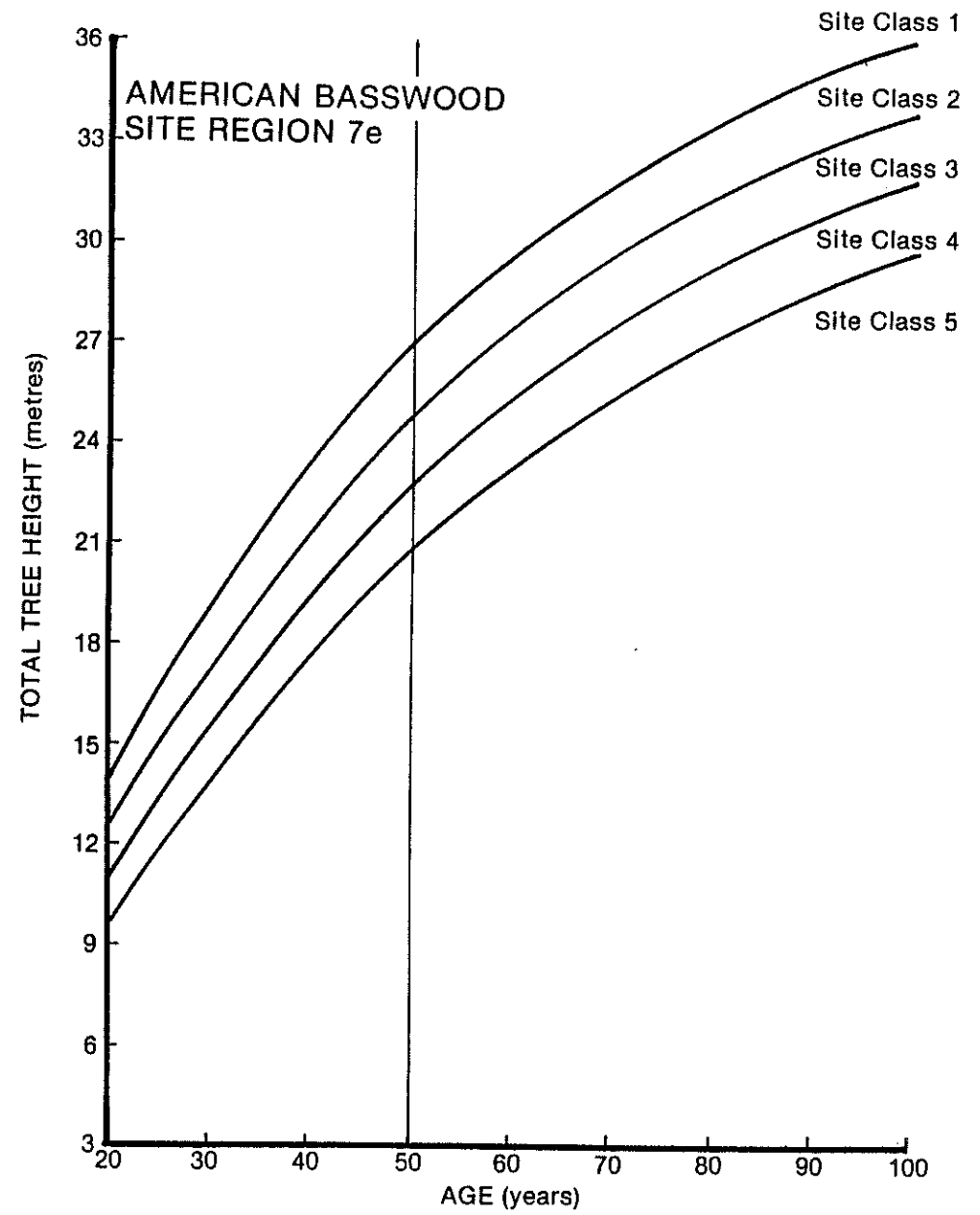
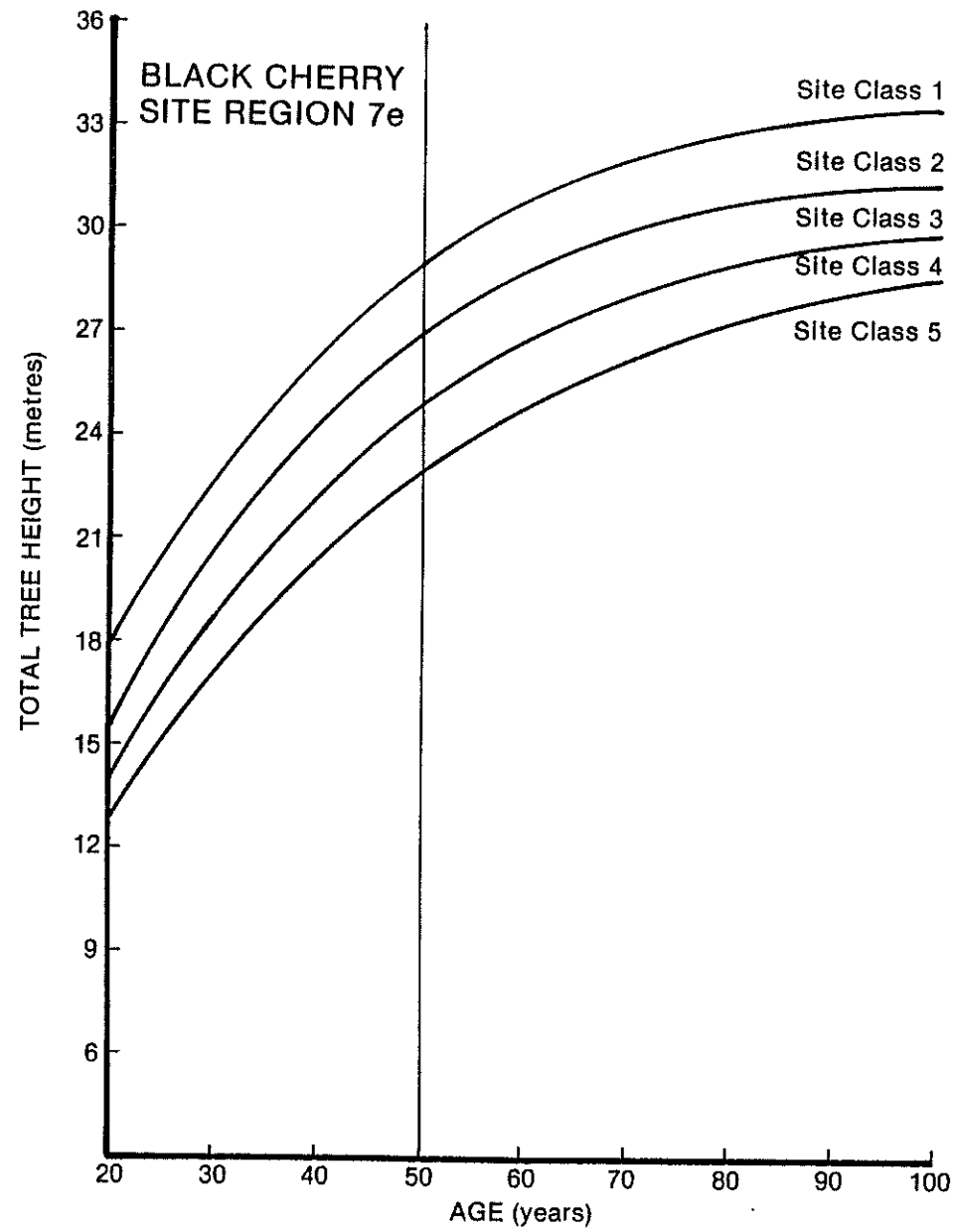
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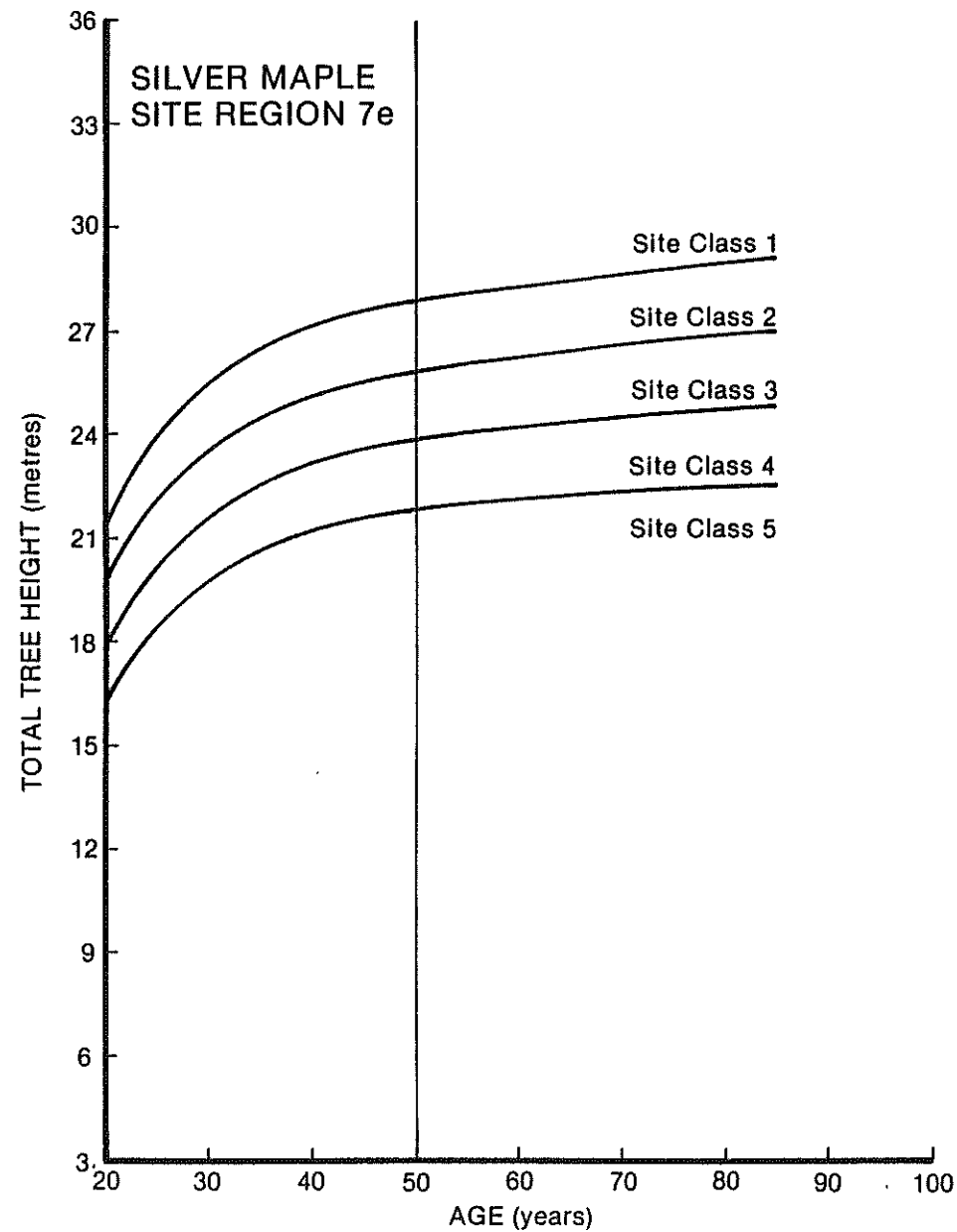


(Adapted From Carmean, 1978)

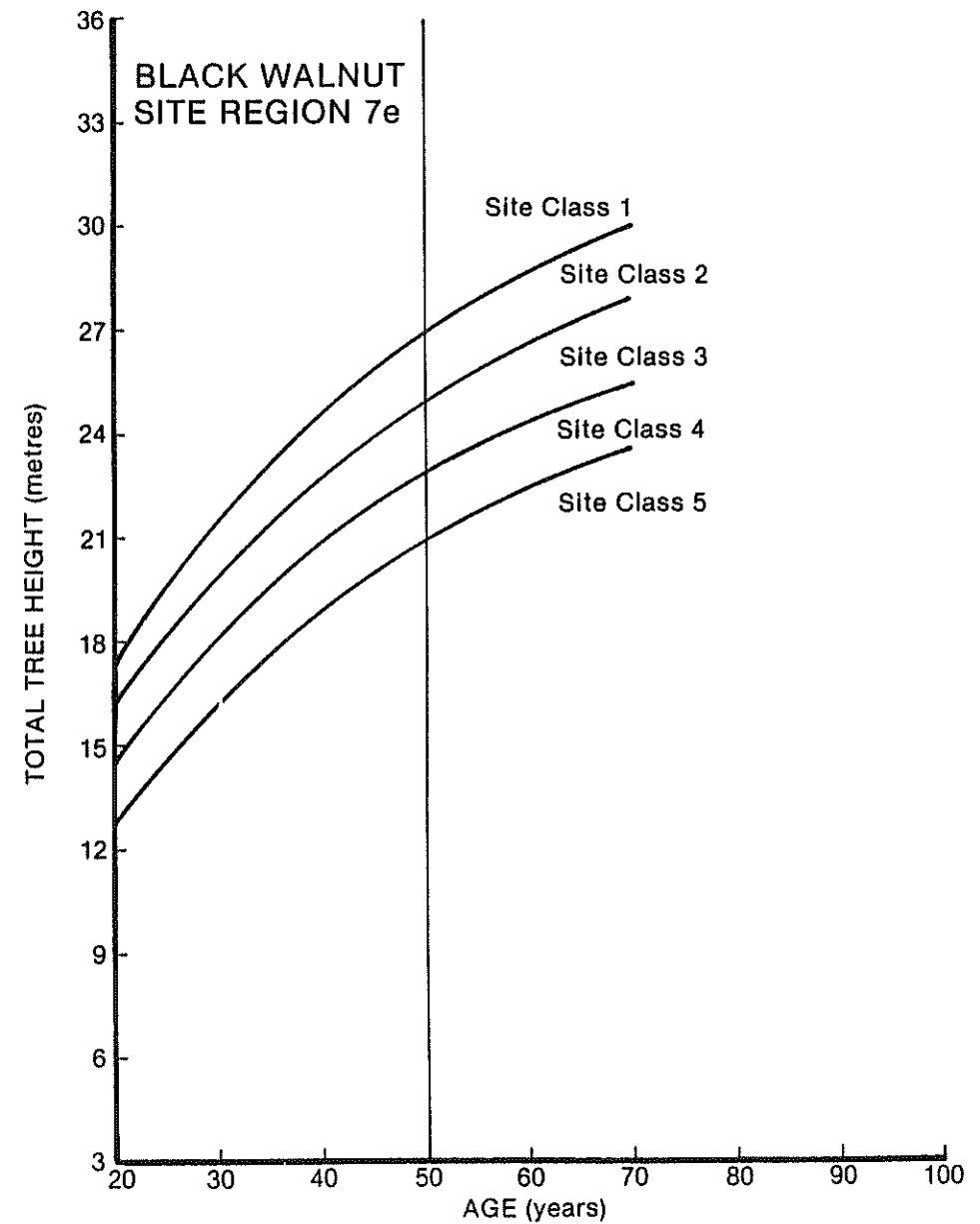


(Adapted From Carmean, 1978)

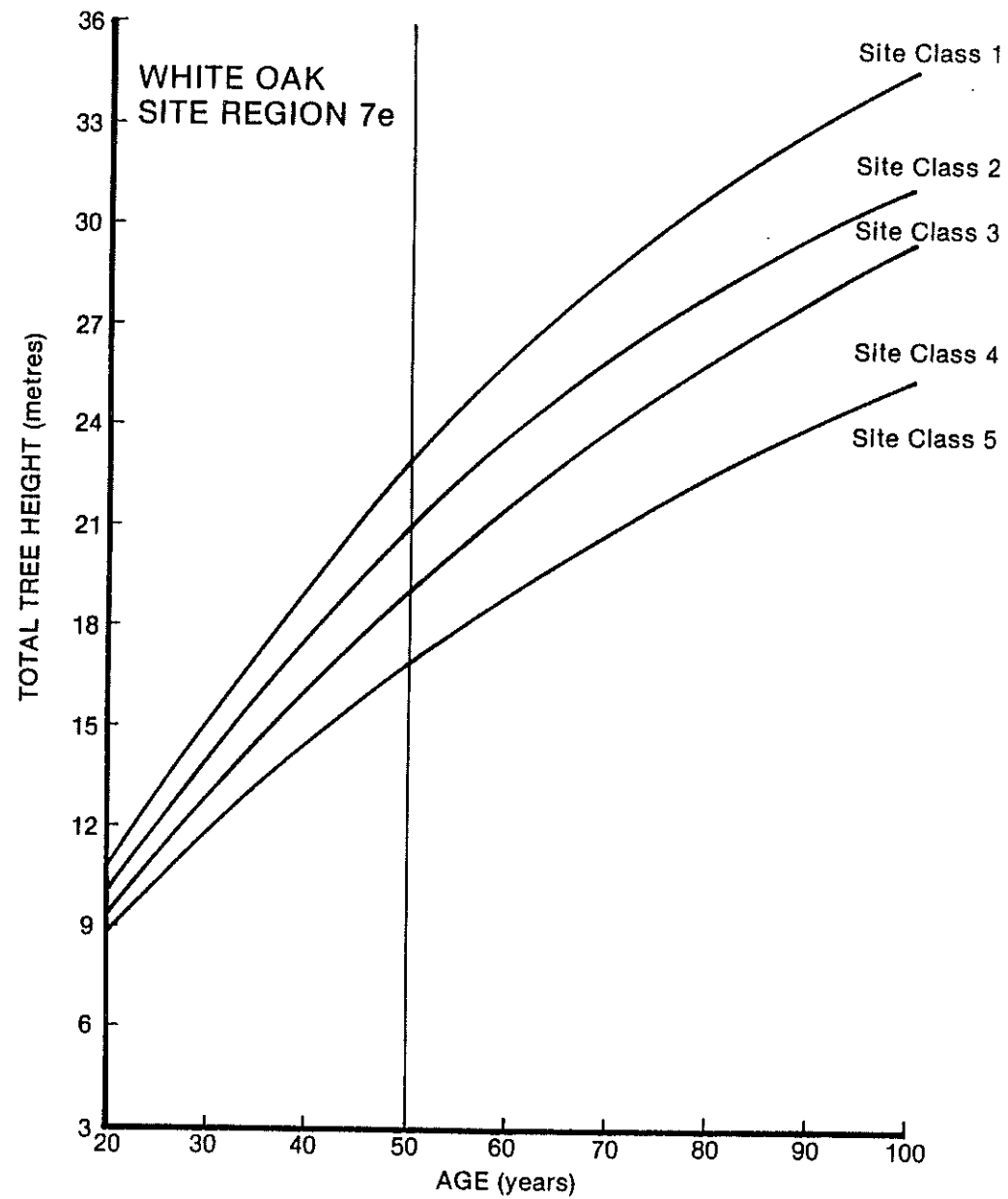




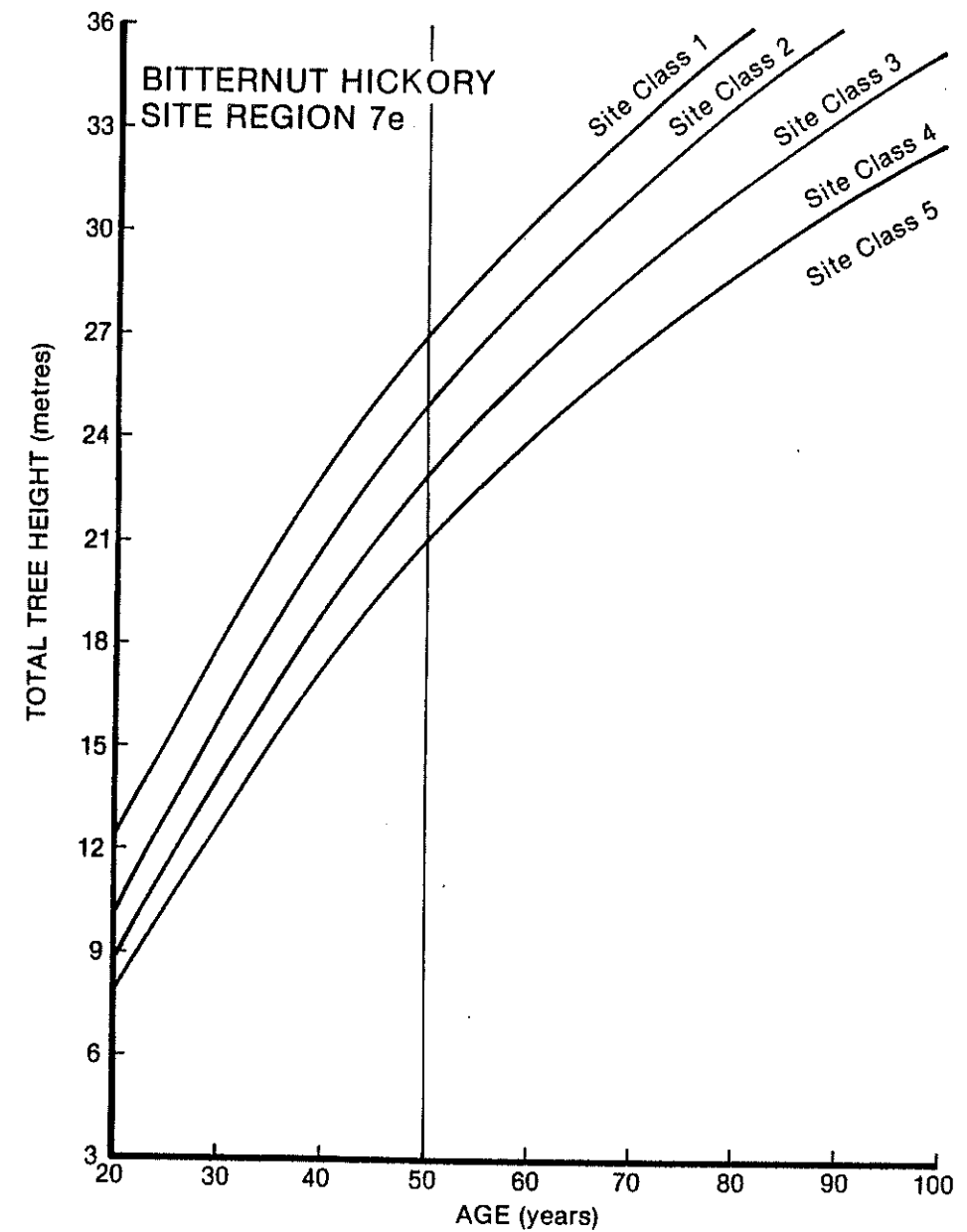
(Adapted From Lake State Site Index Curves)



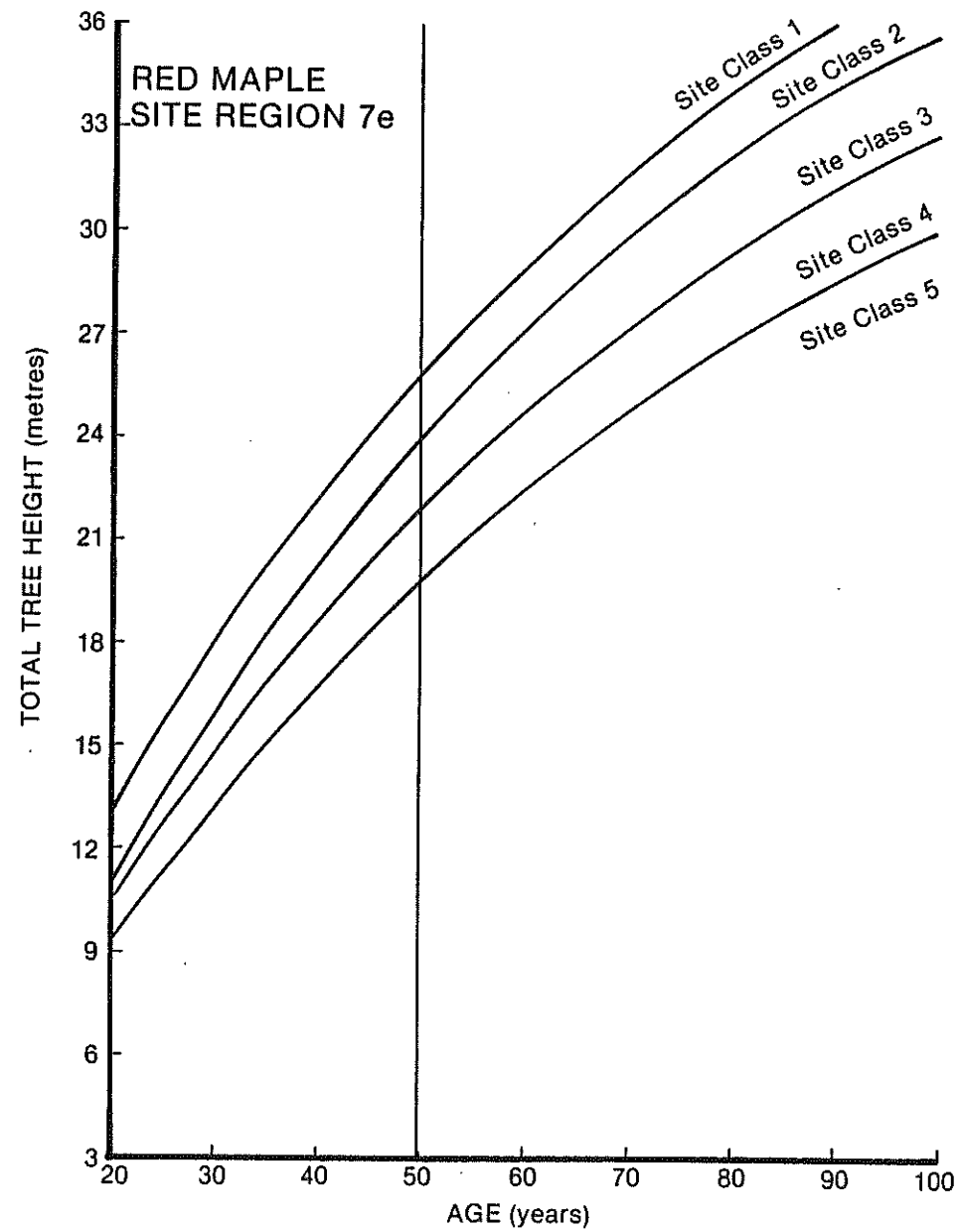
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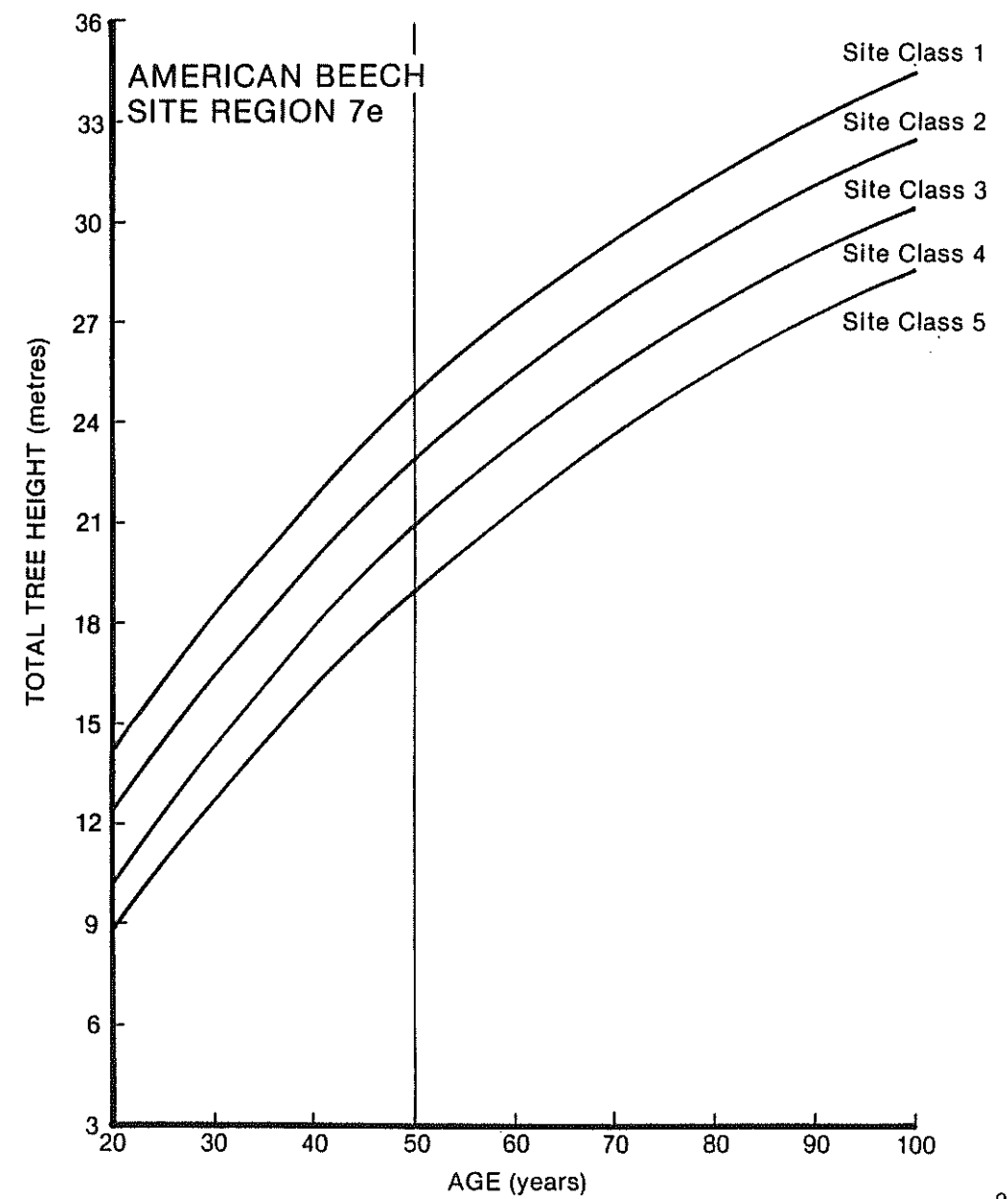
(Adapted From Carmean, 1971)



(Adapted From Boisen and Newlin, 1910)



(Adapted From Carmean, 1978)



(Adapted From Carmean, 1978)

appendix E

STATISTICAL SUMMARY OF HWP TABLE DATA FOR SITE REGION 4E

SOIL SERIES		Py	Pu	Su	Su	Lu	Hu	Pa	Dr	Cb	Od	Hr	Hs	Bo
ALLISTON sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	1 23.2 1.3 20.3 25.0 1(7) 2(5) 3(4)	1 21.9 0.0 20.0 23.2 3(4) 4(6)	1 23.0 1.1 21.7 24.4 2(3) 3(4) 4(5)	(2)	(1)	14 17.1	4 19.7 1.0 10.3 21.3 3(2) 4(4) 5(2)	(2)	34 20.6 0.1 20.7 21.0 4	34 20.1 1.2 19.2 21.0 2(5) 3(5)	44 18.5 1.1 17.7 19.2 4(5) 5(5)	-	(5)
ALLIUM variable	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	1 24.6 0.5 24.0 26.0 1(10)	14 26.1 0.2 26.0 26.3 1(10)	14 26.4 0.2 20.1 20.4 4(10)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(2)
BENNINGTON silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(2)	(2)	(1)	(1)	(1)	2 20.3 1.2 10.3 21.9 2(6) 3(4)	24 23.2 - - - 1	(3)	(2)	(3)	(2)	-	34 18.0 0.9 17.4 10.6 4(10)
BERRIEN sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	24 22.0 0.4 20.0 23.0 1(6) 2(4)	(2)	44 21.0 0.0 20.3 21.0 4(10)	(2)	(1)	24 21.6 0.0 21.7 22.9 1(5) 2(5)	24 24.6 0.2 24.4 24.2 2(10)	(1)	24 22.2 1.1 21.4 22.9 2	(4)	(3)	-	(2)
BONHOMME sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3(4) 21.1 1.7 10.1 23.0 1(1) 2(5) 3(3)	(3) 4(8) - - - - -	44 20.3 0.2 20.1 20.4 4(10)	(2)	(3)	2 21.1 1.3 19.8 22.3 1(4) 2(2) 3(4)	34 22.9 0.2 24.7 25.0 3(10)	(3)	(3)	3 19.3 0.9 10.6 21.0 2(2) 3(4) 4(4)	(3)	-	34 19.4 0.9 17.4 10.6 3(10)
BOOKTON sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	1 23.6 1.4 21.0 25.0 1(7) 2(3)	3 23.7 0.7 21.2 25.0 2(3) 3(7)	(3)	(2)	(3)	24 21.3 0.2 21.0 21.4 2(10)	(3)	(2)	(3)	24 22.2 0.2 22.0 22.3 2(10)	(3)	-	24 20.6 0.2 20.4 20.7 2(5) 3(5)
BROWN sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 21.0 1.4 20.1 20.6 2(7) 3(3)	1 26.2 1.9 20.4 20.3 1(4) 2(6)	4 21.6 0.7 20.7 22.6 3(3) 4(7)	(3)	(2)	(3)	(3)	(2)	(2)	(4)	(3)	-	(4)
BROWN silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	24 21.1 1.3 20.0 23.0 2(3) 3(5) 4(2)	2 24.2 0.0 22.6 26.3 2(7) 3(3)	1 20.6 0.6 27.5 29.3 1(10)	(1)	(1)	(2)	(1)	(2)	(2)	(3)	(2)	-	(3)
BRIGHTON sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3 19.5 1.3 16.0 21.0 3(0) 4(3) 5(1)	44 19.2 0.3 10.9 19.5 5(10)	(3)	(4)	(3)	44 17.4 - - - 1	-	(4)	(4)	-	(3)	-	(4)
BRISBANE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	27(5) 22.2 0.9 20.8 23.0 1(4) 2(5) 3(1)	44 21.5 0.0 - - 4(10)	3 23.0 1.0 21.0 24.4 2(5) 3(4) 4(1)	34 24.4 0.4 24.1 24.7 3(10)	1 25.3 0.7 24.7 26.0 1(0) 2(2)	(3)	-	(3)	(4)	(3)	(3)	-	(5)
BROCK loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(5)	(3)	(3)	(4)	(4)	34 19.7 1.5 10.6 20.7 2(5) 3(5)	34 22.5 - - - 1	(4)	34 21.7 - - - 1	(4)	(4)	-	(5)
BROOKSTON clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	24 22.5 - - - 2(10)	4 20.6 0.9 17.7 21.6 4(9) 5(1)	1 21.6 1.2 20.0 24.4 3(3) 4(6) 5(1)	1 21.9 0.4 21.4 22.5 4(10)	(5)	-	(5)	-	(4)	(5)	(5)	34 22.0 0.2 22.6 22.9 2(10)	-

BURFORD loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2/(5)c 21.9 1.9 18.0 24.0 1(6) 2(2) 3(2) 15	2/54c 24.0/18.5 1.4/0.4 18.0 25.7 2(10)/5(10) 6/24	2 25.4 1.4 22.6 23.0 1(5) 2(0) 3(1) 10	(3)	34 22.0 1.4 21.0 23.0 2(5) 3(5) 2	2 21.4 3.2 17.7 26.1 1(1) 2(0) 3(3) 5(2) 19	34 21.2 0.9 20.1 21.7 3(7) 4(3) 3	2 22.2 1.3 20.4 21.9 2(6) 3(4) 5	2 22.3 0.4 21.9 22.9 2(6) 3(4) 5	(3)	(4)	-	44 16.0 0.3 16.4 17.1 5(10) 2
CANLON fine sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 21.3 0.0 20.2 22.5 2(7) 3(3) 11	2 24.3 0.4 23.0 25.0 2(7) 3(3) 6	14 21.5 - - - 3	(3)	(3)	(2)	(3)	34 20.1 0.5 19.8 20.7 3(3) 4(7) 3	(3)	(3)	(3)	-	(4)
CARILLA silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	14 25.3 0.3 25.0 27.5 1(10) 4	1 26.0 0.5 26.0 27.5 1(10) 6	4 20.3 0.4 19.2 20.7 4(8) 5(2) 8	44 21.4 0.5 21.4 22.4 4(10) 8	(2)	(3)	(3)	(3)	(4)	(2)	(3)	(4)	(3)
CHANNES loamy sand	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(8)	(4)	(3)	(4)	(4)	44 17.0 0.4 16.8 17.6 4(10) 4	54 18.3 0.4 17.0 18.9 5(10) 4	(4)	(2)	34 19.3 0.0 18.3 19.7 3(7) 4(3) 3	(3)	-	(4)
COORINGTON silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(2)	(3)	(3)	44 20.4 1.1 19.0 21.4 3(8) 4(8) 2	(3)	(4)	44 18.4 1 - - 4	(3)	(3)	(2)
COLORNE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 19.4 1.9 16.0 22.5 2(2) 3(6) 5(2) 0	14 19.1 1.5 17.1 20.7 4(8) 5(5) 4	14 18.4 1.4 17.1 19.4 5(10) 4	(4)	24 24.4 0.0 23.5 25.0 1(7) 2(3) 4	(3)	-	4 19.7 1.1 18.3 20.0 3(4) 4(6) 8	(3)	-	(3)	-	(4)
CULWOOD silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(4)	1 24.1 0.2 25.0 26.3 1(8) 2(2) 6	1 29.5 0.9 20.1 20.9 1(10) 7	(4)	(4)	-	(4)	-	24 23.4 - - 2	(4)	-	34 21.4 0.2 21.4 21.7 3 2	-
CURRIE gravelly loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 21.0 1.0 19.5 22.0 2(8) 3(2) 7	1 21.9 1.5 18.0 24.1 3(4) 4(4) 5(2) 13	2 24.3 0.4 23.0 24.7 2(7) 3(3) 6	(5)	(5)	(5)	(5)	44 19.1 1.1 18.3 19.0 4(10) 2	-	34 19.2 - - 1	-	-	
CURRIE silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(4)	(3)	1 20.3 0.6 27.4 29.0 1(10) 8	(3)	44 20.4 0.0 19.8 21.4 3(3) 4(7) 4	-	(4)	-	(5)	44 17.0 0.3 16.7 17.2 4(10) 2	(5)	(1)	-
DARLINGTON loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(2)	(3)	24 20.7 - - 2	34 22.5 0.2 22.3 22.4 3(10) 3	(3)	(3)	(3)	(3)	-	(3)
DELORE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(3)	(3)	(2)	44 20.9 0.0 20.1 21.7 4(10) 5	34 21.4 1.0 19.2 22.4 2(6) 4(4) 3	(4)	-	(3)	-	(3)
DOWDYBROOK sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(4)	(4)	34 19.7 0.2 19.5 19.0 3(10) 2	34 22.4 0.4 22.3 22.9 3(10) 2	(3)	(4)	(4)	(3)	-	(4)
DOURO loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	1 25.1 2.0 23.0 27.0 1(10) 11	(3)	(3)	(3)	(4)	4 17.0 0.6 17.1 18.6 3(4) 4(6) 5	5 18.0 1.1 16.5 20.4 4(5) 5(5) 4	4 19.9 0.9 19.2 21.0 3(4) 4(6) 5	44 19.7 0.4 19.4 20.0 3(5) 4(5) 2	84 14.2 - - 2	44 18.0 0.6 18.3 19.2 4(10) 2	-	(3)

DUNDEES loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)/(3)(3)	3u 23.4 1.5 22.3 24.4 2(3) 3(3) 2	(3)	2 23.0 0.9 22.6 24.6 2(7) 3(3) 6	3 19.5 1.6 18.9 22.0 2(7) 3(3) 16	(3)	(3)	4u 19.2 - - - 2	4u 17.9 - - - 1	(3)	-	2 21.5 8.8 20.9 22.0 2(5) 3(5) 2	
DUNDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	4 18.3 1.0 16.0 21.0 3(2) 4(2) 5(2) 6	4 20.0 1.0 18.9 21.0 4(6) 5(4) 6	5 18.9 0.1 15.0 16.0 5(10) 2	(3)	(3)	2u 20.5 1.6 19.2 21.4 22.3 1(3) 2(3) 3(2) 4	3 22.1 0.8 21.4 23.6 2(3) 3(3) 6	1u 25.4 1.3 24.2 26.0 1(10) 3	(4)	3u 19.0 1.1 18.3 20.7 3(7) 4(3) 4	(3)	-	(3)	
DUNDEE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 20.7 0.5 20.0 21.4 2(3) 3(2) 12	(3)	(3)	(3)	3 21.2 0.8 20.7 21.7 3(7) 4(3) 6	3u 18.0 1.3 16.0 19.0 3(8) 4(2) 6	3 22.2 1.5 20.7 24.4 2(2) 3(2) 4(2) 5	3 22.3 1.2 20.7 24.4 1(2) 2(4) 3(4) 7	3u 20.9 0.8 20.4 21.0 3(3) 4(7) 3	3 19.4 0.7 18.3 20.1 3(3) 4(2) 8	(3)	-	(4)	
DUNDEE clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(5)	(3)	(4)	(3)	(3)	2 20.7 1.0 18.3 21.0 2(6) 3(4) 6	2 23.5 - - - 1	-	4u 19.1 0.3 18.0 19.5 4(3) 5(7) 3	3u 20.0 0.9 19.2 20.9 3(10) 4	-	-	(3)	
DUNDEE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 22.9 1.5 20.0 24.2 1(7) 2(2) 3(1) 9	2 25.7 0.9 24.0 27.0 1(4) 2(4) 7	1u 27.9 0.3 27.0 28.1 1(10) 3	(2)	(3)	(3)	(3)	(2)	(2)	(3)	(3)	(3)	(3)	(2)
DUNDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(2)	(3)	(3)	3u 22.1 0.6 21.7 22.9 3(10) 4	3u 20.7 - - - 2	(3)	3 19.0 1.4 18.6 21.0 2(3) 4(7) 6	(3)	-	(4)	
DUNDEE silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	4u 17.7 0.4 17.2 18.0 4(10) 4	(2)	3 23.2 0.6 22.6 23.0 3(10) 6	(2)	3 24.4 0.6 23.0 25.4 2(3) 3(7) 8	(3)	3 19.4 1.4 17.1 21.3 2(2) 3(5) 4(3) 5	4u 19.0 0.2 18.9 19.2 4(3) 5(7) 3	(2)	(3)	(3)	(3)	(3)	(2)
DUNDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3u 19.3 1.3 17.5 20.5 3(8) 4(2) 4	(2)	(3)	4u 22.2 0.3 21.1 24.7 3(10) 4	(2)	(3)	3 21.0 1.4 18.6 22.3 3(6) 4(2) 5(2) 7	3u 20.0 0.6 19.5 20.4 3(5) 4(5) 2	4u 19.5 0.4 19.2 22.2 4(10) 2	3 20.7 1.7 19.5 23.2 1(2) 2(2) 3(4) 6	(4)	(3)	(3)	(3)
DUNDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(4)	(4)	(2)	(4)	3 19.1 0.6 18.2 19.0 3(10) 6	6 17.9 1.1 16.0 19.0 4(2) 5(8) 6	4u 18.3 2.1 16.0 20.7 3(3) 5(7) 3	(4)	4u 18.0 0.9 18.3 19.0 3(3) 4(7) 3	(4)	-	5u 11.3 - - - 1	
DUNDEE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 20.0 1.4 18.0 23.2 1(2) 2(3) 3(5) 30	3 24.4 1.9 20.3 27.0 1(2) 2(4) 3(4) 4(1) 37	(3)	2 25.9 1.4 23.0 27.4 1(4) 2(3) 3(3) 8	2 23.0 1.4 21.3 25.3 1(2) 2(4) 3(4) 7	3 19.0 0.7 18.6 20.4 2(4) 3(6) 5	3u 21.3 - - - 1	(3)	(3)	(3)	(3)	(3)	-	(4)
DUNDEE silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(5)	(4)	(4)	(3)	(5)	-	2u 22.9 - - - 2	-	-	3u 19.0 - - - 1	3u 20.1 0.4 19.0 20.4 3(5) 4(5) 2	3 21.7 8.7 20.7 22.9 2(5) 3(5) 6	-	-
DUNDEE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(2)	(3)	(3)	3u 18.0 0.8 17.4 18.6 3(5) 4(5) 2	3u 21.9 0.4 21.4 22.3 3(10) 2	(3)	3u 21.4 0.5 21.0 21.7 3(10) 2	(3)	(3)	(3)	(4)	
DUNDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(5)	(5)	5 18.3 - - 5(10) 2	5u 18.4 0.8 17.2 19.2 5(10) 3	(4)	-	-	-	(4)	(5)	(4)	-	-	-

GRANBY sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	4 17.7 1.1 16.0 19.5 3(3) 4(5) 5(2) 19	6 19.9 1.7 16.0 22.6 4(5) 5(8) 12	1 27.6 1.5 25.0 29.7 1(8) 2(2) 11	(4)	(5)	-	(4)	-	(5)	(5)	34 28.3 0.6 19.0 29.7 3(5) 4(8) 2	34 28.4 0.4 20.1 21.0 3(3) 4(7) 4	-	
GUELPH (c) loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	1/5c 26.1/16.2 1.2 23.0 24.0 1(10) 10	1/5(5)c 26.6/- 0.8 25.9 27.5 1(8) 2(2) 11	3 23.3 1.3 21.0 25.7 2(3) 3(6) 4(1) 10	18 27.6 1.1 26.0 29.7 1(5) 2(5) 2	3 21.4 1.4 19.6 23.3 2(2) 3(6) 4(5) 9	(2)	1 25.1 1.1 23.2 26.2 1(7) 2(3) 7	(2)	(3)	(3)	(3)	-	(2)	
GUERIN loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(1)/(5)c 23.6/- 0.8 23.0 24.0 1(10) 7	(2)/(5)c 23.6/- 0.8 23.0 24.0 1(10) 7	(3)	(3)	(3)	(3)	(3)	44 18.6 0.8 18.3 19.2 4(10) 3	(2)	(3)	(3)	(3)	(3)	(3)
HILLSBOROUGH fine sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 21.7 1.4 19.5 25.0 1(3) 2(3) 3(4) 24	2 25.2 1.4 23.2 26.0 1(5) 2(3) 3(2) 9	2 24.1 1.2 22.6 25.6 2(4) 3(4) 8	(3)	(3)	1 23.0 0.9 21.6 24.4 1(4) 2(2) 3(2) 6	-	4 18.5 1.1 16.0 19.5 4(8) 5(2) 5	(3)	-	(3)	-	(4)	
HONEYWOOD silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	1 23.7 0.8 22.5 24.2 1(8) 2(2) 9	2 26.0 1.3 23.4 27.5 1(2) 2(5) 3(3) 6	2 24.7 1.2 22.0 27.0 1(3) 2(7) 3(2) 10	(2)	1 25.0 0.9 23.0 26.0 1(5) 2(8) 8	1 22.6 1.3 20.4 24.0 1(4) 2(6) 7	(2)	24 23.3 0.8 22.3 24.7 2(10) 5	2 23.3 1.0 21.4 25.3 1(3) 2(4) 3(3) 6	14 24.9 0.4 24.4 26.3 1(10) 2	(2)	-	34 18.9 0.4 18.6 19.2 3(5) 4(5) 2	
MURON clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(1)/(5)c 21.1 1.4 19.6 23.2 3(3) 4(4) 5(3) 6	(4) 23.1 0.4 22.7 23.8 3(6) 4(4) 8	3 23.1 0.4 22.7 23.8 3(6) 4(4) 8	3 23.1 0.4 22.7 23.8 3(6) 4(4) 8	44 20.6 0.4 20.1 21.0 3(5) 4(8) 2	3 19.7 1.2 17.4 21.0 2(3) 3(4) 4(3) 10	24 23.7 1.1 22.9 24.4 2(5) 3(8) 2	(3)	34 21.6 1.1 20.7 24.9 2(3) 3(7) 9	(4)	(4)	-	(3)	
NEBLE silt clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	44 18.0 0.9 17.0 19.5 3(4) 4(4) 3	(4) 20.6 1.1 19.0 21.4 1(4) 5(5) 2	44 20.6 1.1 19.0 21.4 1(4) 5(5) 2	(3)	(4) 19.8 1.3 18.0 21.4 3(10) 8	3 19.8 1.3 18.0 21.4 3(10) 8	54 18.0 0.4 17.7 18.2 5(10) 2	(4)	(3)	54 16.0 0.8 16.4 17.1 4(8) 5(8) 2	(5)	(3)	54 14.3 - - - 1	
LILY loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(8) - - - - -	(4) - - - - -	(4) - - - - -	(3)	(5) 15.3 - - - 1	54 15.3 - - - 1	-	-	(4)	44 18.6 - - - 1	-	(4)	-	
LISTONEL silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	34 19.0 0.5 18.5 19.8 3(5) 4(5) 4	(3) - - - - -	2 25.3 1.1 23.0 26.0 1(2) 2(6) 3(2) 7	44 21.7 - - - 1	(3)	(3)	(3)	(2)	(4)	(3)	(3)	(1)	(1)	
LONDON loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	24 22.0 0.3 22.5 23.0 2(10) 3	2 24.0 0.9 24.0 24.5 1(3) 2(7) 9	4 21.9 0.6 20.9 22.0 3(4) 4(6) 14	2 25.6 1.4 23.2 26.0 2(8) 3(2) 6	(1)	(3)	(3)	(2)	(2)	(3)	(3)	(3)	(2)	
LOWERING clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(8) - - - - -	(4) - - - - -	(4) - - - - -	(4)	(4)	(4)	4 20.1 0.4 19.0 20.4 4(10) 2	-	(4)	44 17.0 0.3 16.0 17.4 4(3) 5(7) 3	54 15.6 - - - 1	(3)	(3)	(3)
LYONS loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(4) - - - - -	(4) - - - - -	2 25.0 0.6 24.4 26.9 2(10) 5	(4)	(5)	-	34 21.2 - - - 1	-	(4)	44 18.0 1.6 17.4 20.7 3(5) 4(5) 2	(5)	3 20.9 1.0 19.0 22.2 3(4) 4(6) 5	-	
WIMPLEWOOD silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(4) - - - - -	(4) - - - - -	4 21.0 0.4 20.7 22.3 4(10) 9	34 24.4 0.7 23.0 25.3 3(10) 4	(5)	-	(4)	-	-	(3)	(5)	(1)	-	

HENRIEGLE sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(1)	(2)	(3)	(3)	(2)	3# 18.3 0.4 18.0 18.6 3(10) 2	-	(2)	4 18.7 0.4 18.2 19.1 5(10) 2	3# 19.8 1.2 18.9 20.7 3(5) 4(5) 2	(3)	-	(1)
HEMCASTLE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2# 22.4 0.7 21.6 23.0 1(5) 2(5) 6	(3)	(3)	(2)	(2)	1# 24.1 0.0 23.5 24.7 1(10) 2	(2)	2# 23.3 0.1 23.2 23.4 2(10) 2	1 24.2 0.5 23.6 24.7 1(5) 2(4) 5	(3)	2# 22.2 0.4 21.7 22.9 2(7) 3(3) 3	-	(3)
OSPREY loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(3)/(5)cr	(3)/(5)cr	(3)	(3)	(3)	4# 16.5 1.6 15.2 18.3 3(3) 4(4) 5(3) 3	4# 19.8 0.4 19.5 20.1 4(10) 2	(3)	(3)	4# 17.7 - - - 1 1	(3)	-	(3)
OTONDEE loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(3)/(5)cr	3/5# 22.1/18.4 1.8/0.2 18.3 23.2 3(8) 4(5) 5(10) 8/3	(3)	(3)	(3)	3 19.4 1.0 18.3 21.4 2(2) 3(10) 7	3 21.0 0.0 20.1 22.6 3(6) 4(4) 0	5# 17.8 0.9 17.1 18.9 4(3) 5(7) 3	3 20.3 1.2 19.2 21.7 3(6) 4(4) 5	4# 18.3 1.3 16.8 19.2 3(3) 4(4) 5(3) 3	(3)	-	3# 18.5 0.2 18.3 18.6 4(10) 2
PORCHILL loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3# 19.3 0.6 19.0 20.0 3(10) 3	(4)	4 20.1 1.9 17.4 21.9 4(6) 5(4) 15	3 23.4 0.6 22.0 24.4 3(7) 4(3) 8	(5)	-	(5)	-	-	(5)	(4)	(4)	-
PERCY fine sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3 20.8 1.1 18.0 20.3 3(5) 4(2) 13	4# 21.6 0.2 21.4 21.7 4(10) 2	3 23.8 1.0 22.9 24.4 3(6) 4(4) 9	1 20.6 1.1 26.2 29.3 1(5) 2(2) 7	(3)	-	4# 19.4 0.2 19.2 19.8 4(10) 4	(4)	-	(3)	-	4# 17.3 0.6 18.3 18.6 4(10) 2	
PERTH clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3 20.7 1.1 19.2 22.0 2(5) 3(5) 10	2 24.9 0.0 23.0 26.0 1(2) 2(7) 3(1) 13	5 19.0 0.9 17.1 19.8 5(10) 11	3 23.9 0.4 23.2 24.8 3(10) 9	(4)	1# 23.0 0.2 22.0 23.1 1(10) 2	3# 21.6 - - - 1	(4)	4# 19.8 - - - 1	(4)	(4)	2# 20.1 - - - 2	
PLAINFIELD fine sand	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3 19.8 0.9 18.0 20.3 3(5) 4(5) 10	3# 22.3 0.3 21.4 21.7 4(10) 2	3# 22.9 0.3 22.6 23.2 3(10) 3	2# 25.4 0.2 25.3 26.4 2(10) 3	(3)	(4)	-	(3)	(3)	-	(3)	-	(4)
PORTPOOL sand	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(3)/(5)c	(3)/(5)c	(3)	4 22.4 0.6 21.4 22.9 4(10) 5	(3)	(4)	-	(3)	3# 20.5 0.6 19.2 21.2 3(5) 4(5) 4	(3)	(3)	-	(4)
SANIT JACOBS loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3 20.8 1.1 19.5 22.0 2(3) 3(7) 8	2# 24.7 - - - 1	(3)	2# 25.9 0.4 25.6 26.2 2 2	(3)	(2)	(4)	(3)	(3)	(3)	(3)	-	(3)
SARGENT sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	4 18.9 1.4 16.5 20.8 3(6) 4(3) 5(1) 11	(4)	(3)	(4)	3# 21.3 0.6 20.4 22.0 3(8) 4(2) 5	(2)	(3)	(3)	(4)	(3)	(3)	-	(3)
SHUGLEN	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(3)	(4)	(4)	(3)	(4)	1 23.9 0.7 22.9 24.7 1(10) 6	(3)	(3)	2# 23.5 0.4 23.2 23.8 2(10) 2	(4)	(2)	-	(4)
SCHONBERG silty clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(3)	(4)	(4)	(3)	(4)	1# 24.8 0.6 23.5 24.4 1(10) 2	2# 23.7 0.2 23.5 23.8 2(10) 2	(3)	3# 20.4 0.5 20.1 21.2 3(10) 4	4# 18.6 0.4 18.3 18.9 4(10) 2	(2)	-	(4)

SIMCOE clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(B)	(B)	(C)	(C)	(B)	3# 10.0 0.8 17.4 18.6 3(C) 4(C) 2	-	-	3# 21.3 0.2 21.2 21.4 3(C) 4(C) 2	4# 18.0 0.1 18.3 18.9 3(C) 4(C) 2	-	4 19.9 0.3 19.5 20.7 4(C) 10 5	-
SHIMFIELD clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(B)	(C)	(B)	(C)	(C)	2 21.5 1.1 20.1 23.2 1(C) 2(C) 6	(C)	-	-	(B)	-	2 22.2 0.9 21.6 22.9 3(C) 10 2	-
TAVISOCK silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(C) 4(C)	(C)	(C)	(C)	4# 20.2 0.6 19.5 20.7 4(C) 10 3	3# 19.4 0.6 18.6 20.4 2(C) 3(C) 9	3# 22.6 - - - 1	(C)	4# 19.5 1.4 18.5 20.8 4(C) 10 2	(C)	(C)	(C)	(C)
TIDGE sand	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 21.4 2.3 18.0 25.0 1(C) 2(C) 4(C) 6(C) 29	4 21.7 2.0 18.0 25.0 2(C) 3(C) 4(C) 6(C) 23	3# 23.0 - - - 2	4 22.0 0.3 22.3 23.2 3(C) 4(C) 8	3# 22.1 0.0 21.4 23.0 2(C) 3(C) 3	(C)	-	(C)	(C)	-	(C)	-	(C)
TOLEDO silty clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(B)	(C)	(C)	(B)	(C)	-	(B)	-	(C)	(B)	1# 20.3 0.2 20.1 20.4 1(C) 10 3	1 26.1 1.4 22.9 27.0 1(C) 10 10	-
TRENT fine sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	1# 26.0 0.4 25.5 26.8 1(C) 10 8	3# 23.2 1.0 22.3 24.0 2(C) 3(C) 9	(C)	(C)	(C)	3# 21.2 0.4 18.6 19.0 3(C) 10 2	3 22.9 0.9 21.0 22.9 3(C) 10 8	1# 25.0 0.0 24.4 25.9 1(C) 10 3	(C)	(C)	(C)	3# 20.1 - - 1	(C)
TUSCOLA silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 22.6 1.2 20.0 26.0 1(C) 2(C) 3(C) 24	1 26.1 1.9 23.9 26.2 1(C) 2(C) 3(C) 7	2# 24.9 0.3 24.6 26.1 2(C) 4	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	1 21.0 - - 1	(C)
WEEK sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 22.1 3.4 18.0 26.0 1(C) 3(C) 4(C) 8	2 24.7 4.4 19.2 26.2 1(C) 4(C) 5(C) 7	(C)	(C)	(C)	4# 16.0 0.4 16.5 17.1 4(C) 10 2	(C)	3# 20.6 0.2 20.4 20.7 3(C) 10 2	(C)	2# 21.5 0.5 21.0 22.0 2(C) 10 3	(C)	-	(C)
WISSEY loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 21.9 1.3 19.5 23.0 1(C) 2(C) 3(C) 9	4 21.6 1.4 19.5 23.2 3(C) 4(C) 8	(C)	(C)	2# 23.7 0.9 22.9 24.1 2(C) 3(C) 4	2 20.5 1.0 17.9 22.6 1(C) 2(C) 3(C) 9	(C)	4# 19.4 0.4 18.6 19.0 4(C) 10 4	(C)	(C)	(C)	-	3 18.8 - - 1
VINCENT silty clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	(C)	4# 21.0 1.4 19.5 23.2 4(C) 3(C) 4	5# 19.0 0.7 18.6 19.6 5(C) 10 2	(C)	(C)	(C)	1# 25.3 1.1 24.4 26.5 1(C) 2(C) 3	-	(C)	(C)	(C)	-	(C)
WATERLOO sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3# 20.1 1.4 18.5 22.0 2(C) 3(C) 4(C) 8	5 19.9 0.0 18.6 21.9 4(C) 5(C) 16	4 21.0 1.5 20.5 22.0 4(C) 7	(C)	(C)	(C)	-	(C)	-	(C)	-	-	(C)
WILSON sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	3# 20.0 0.3 20.5 21.0 2(C) 3(C) 2	2# 24.6 0.2 24.4 26.2 2(C) 2	5 17.0 0.9 17.4 19.3 5(C) 3	3# 23.6 0.4 23.2 23.0 3(C) 2	5# 19.3 0.2 19.2 19.3 5(C) 2	-	(B)	-	(C)	(B)	4# 19.5 - - 1	(C)	-
WINDIGO loamy sand	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION: N	2 22.1 1.4 20.0 25.0 1(C) 2(C) 3(C) 19	2 20.8 0.1 21.4 27.0 1(C) 2(C) 3(C) 4(C) 11	(C)	(C)	4# 20.9 0.2 20.7 21.8 3(C) 4(C) 2	(C)	-	3# 21.7 1.7 20.7 23.2 2(C) 3(C) 3	2# 23.6 0.4 23.2 23.0 2(C) 2	-	2# 23.3 0.1 22.9 23.0 2(C) 6	-	(C)

"(C)" INDICATES SUBJECTIVE INTERPOLATION OF SITE CLASS-NO DATA COLLECTED
"-" INDICATES INSUFFICIENT DATA FOR PROPER SITE CLASS PREDICTION

"C" INDICATES SITE CLASS WHEN FREE CIRCUMSTANCES ARE WITHIN EACH
"F" INDICATES SITE CLASS WHEN A ROOT RESTRICTING LAYER OCCURS
WITHIN EACH, E.G. A SHALLOW SOIL SURFACE OVERLYING A CLAY

STATISTICAL SUMMARY OF TWO FIELD DATA FOR SITE REGION 2E

SOIL SERIES		Pr	Pu	Su	Sm	Lo	Mu	Pu	Or	Cu	Bo	Hy	Ha	Bo	Mu	Bo	Lu
Surface Feature																	
ALUMINUM Variable	SITE CLASS	(C2)	(C2)	(C1)	(C1)	(C2)	(C2)	1u	(C2)	2u	(C1)	(C1)	(C2)	(C2)	4u	(C2)	1u
	MEAN							11.8		26.0					22.6		27.3
	STDEV							0.6		0.6					1.0		0.6
	MIN							30.9		26.6					21.4		26.0
	MAX							31.0		26.4					23.0		28.1
DISTRIBUTION								1(C10)	3	2(C10)	2			3(C2) 4(C2)	4	1(C1) 2(C1)	5
BIRMINGHAM silt loam	SITE CLASS		(C1)			(C2)		2	(C2)	3		(C1)		(C2)		(C2)	
	MEAN	2u		2u	1u			24.2		24.4					24.4		25.8
	STDEV	21.6		21.4	20.3			1.8		1.4					0.9		0.9
	MIN	1.4		-	-			21.4		22.8					26.7		24.4
	MAX	26.0		-	-			27.7		26.2					26.7		26.7
DISTRIBUTION	1(C2) 2(C2) 3(C2)			1	1	1(C1) 2(C2) 3(C2) 4(C1)		2(C2) 3(C2) 4(C2)	3(C10)	2				3(C10)	2	2(C1) 3(C1)	7
BIRMINGHAM sandy loam	SITE CLASS	(C2)			(C2)	(C2)		1u		3	(C2)	(C2)	(C2)	(C2)			(C2)
	MEAN							26.0		26.3					26.7		21.4
	STDEV							0.3		1.4					1.4		1.4
	MIN							24.7		24.1					22.3		21.0
	MAX							26.3		26.3					26.3		22.0
DISTRIBUTION								1(C2) 3(C2)	2(C2) 3(C2)	1(C2) 2(C2)	2(C2) 3(C2) 4(C2)			2(C2) 3(C2)	2	2(C10)	3
BIRMINGHAM silty clay loam	SITE CLASS					(C2)		2		1u		(C2)	(C2)				(C2)
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6					26.0		26.0
	STDEV							0.3		0.1					0.9		0.9
	MIN							19.0		22.0					19.1		26.0
	MAX							20.1		22.7					22.7		26.0
DISTRIBUTION								4(C1) 5(C1)	2	4(C10)	2			3(C2) 4(C2)	2	2(C10)	3
BIRMINGHAM sandy loam	SITE CLASS					(C2)		2u	(C2)	2u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN	2u		2u	2u			22.0		20.7					18.7		21.1
	STDEV	22.1		21.6	21.1			1.6		1.6					1.6		1.1
	MIN	1.4		0.9	0.9			22.9		22.9					19.2		19.0
	MAX	19.0		22.6	21.7			24.7		27.0					26.3		22.0
DISTRIBUTION	2(C2) 3(C2) 4(C2)		3(C2) 4(C2)	4(C2)			2(C2) 3(C2)	1(C2) 2(C2)	1(C2) 2(C2) 3(C1)	1(C2) 2(C2)				2(C2) 3(C2)	7	2(C2) 3(C2)	4
BIRMINGHAM sandy loam	SITE CLASS	(C2)	(C2)	(C2)	(C2)	(C2)		4u	(C2)	4u	(C2)	(C2)	(C2)	(C2)			2u
	MEAN							26.0		26.6				</			

CUMEDON sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 24.9 1.3 22.9 26.0 1(7) 2(2) 3(1) 6	3 25.0 1.1 23.7 26.1 1(2) 2(2) 3(4) 7	3 25.4 0.9 23.2 26.0 3(10) 4	(3)	(4)	(3)	(4)	(4)	(5)	-	(4)	-	(4)	-	-	-
CHANGACROSV clay loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(2)	(3)	(4)	3 22.7 1.0 21.3 25.0 2(4) 5(4) 6	2 22.9 1.2 20.9 25.0 1(2) 3(4) 3(2) 6	3 22.6 1.2 20.8 23.0 3(2) 4(8) 10	4 21.5 0.1 21.4 20.7 4(10) 2	4 20.0 0.3 19.3 20.7 5(10) 2	1 25.3 - - - 1	(4)	(3)	2 26.8 - - - 1	(2)	2 25.1 1.2 23.8 26.3 1(7) 2(5) 3(2) 4
CLYDE clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(4)	(4)	(3)	(4)	-	2 20.3 0.4 21.7 20.4 2(10) 2	3 22.3 0.6 21.7 22.9 3(7) 4(3) 3	(3)	-	2 24.3 0.4 23.0 24.7 3(10) 2	2 26.7 0.4 25.4 27.0 2(5) 3(2) 3	-	(4)	(4)	(3)
COLUMBO silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(4)	(4)	(4)	(4)	(4)	2 24.1 1.2 22.4 26.6 2(4) 3(2) 6	2 27.0 1.9 24.7 26.9 2(4) 3(2) 4(2) 11	3 20.3 0.3 20.1 20.9 1(10) 2	(5)	3 24.2 0.4 23.6 25.0 2(2) 3(10) 8	(2)	1 20.3 1.4 24.0 20.4 1(3) 3(4) 7	1 26.1 - - - 2	(4)	(3)	(4)
CROWIE silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 23.9 0.2 21.0 22.2 3(10) 3	3 25.4 1.1 23.0 25.0 2(2) 3(4) 4(2) 6	4 21.4 0.2 21.4 21.7 4(10) 6	(4)	(3)	(3)	(3)	(4)	(3)	(3)	(3)	(1)	(4)	(3)	(3)	(4)
DAWRIES loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 22.7 1.2 21.3 24.0 2(3) 3(4) 4(1) 3	3 24.7 0.8 24.0 26.0 3(10) 2	(2)	(3)	(3)	(4)	(4)	1 21.0 1.1 20.4 22.6 3(4) 4(4) 8	(4)	-	3 23.0 - - - 1	-	(4)	-	(4)	3 24.1 - - - 1
ENARO silt loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	2 24.2 1.4 21.0 26.3 1(4) 2(4) 3(2) 13	2 27.2 1.3 25.0 26.3 1(4) 2(4) 3(2) 13	3 25.3 0.9 25.0 26.3 2(10) 6	(2)	3 26.7 1.4 25.0 26.3 2(4) 3(4) 8	3 26.2 0.4 25.0 26.3 1(2) 2(5) 2	3 26.0 0.4 23.0 26.3 3(7) 4(3) 7	(3)	3 24.4 1.3 22.9 26.2 2(4) 3(4) 4(2) 9	(3)	4 21.1 0.9 20.7 21.4 4(5) 5(5) 2	(2)	2 24.0 0.4 23.0 24.4 2(10) 8	(2)	2 26.7 1.0 24.9 27.0 1(2) 2(4) 3(4) 8	
FARMINGTON loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	4 19.0 0.9 18.0 20.0 4(7) 5(3) 13	3 24.0 1.2 21.3 26.0 3(4) 4(4) 13	(4)	(3)	5 18.4 1.2 16.0 19.2 5(10) 4	4 22.0 2.1 20.1 23.5 2(5) 4(5) 2	3 22.9 0.6 22.0 24.9 4(7) 5(3) 6	2 25.4 - - - 1	2 23.0 - - - 1	(3)	-	-	(3)	-	(3)	(4)
FOX sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 22.6 2.7 17.4 26.4 3(1) 2(6) 3(1) 4(2) 33	4 23.7 2.1 21.2 26.3 2(3) 3(1) 4(2) 5(4) 13	3 23.3 1.3 22.0 24.4 3(7) 4(3) 6	(3)	(4)	3 26.3 1.3 22.0 24.4 2(3) 3(5) 4(2) 6	2 23.4 0.9 22.0 24.9 2(7) 3(3) 6	3 23.0 1.3 22.0 24.7 2(7) 3(3) 3	4 21.6 0.5 21.1 22.3 4(10) 5	-	(4)	-	(4)	-	3	-
GILFORD gravelly loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(3)	(4)	(3)	3 22.0 1.1 22.0 23.3 3(10) 2	2 27.3 1.2 26.6 28.7 2(3) 3(7) 3	1 26.2 1.1 20.4 26.0 1(10) 2	4 22.6 0.2 22.4 22.7 4(10) 2	4 21.0 1.3 19.0 22.4 4(5) 5(7) 3	2 25.9 0.0 25.3 26.0 2(10) 2	-	-	-	4 27.1 - - - 2	-
GRINDY sandy loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 22.0 0.5 21.3 22.8 3(10) 6	3 24.3 0.7 23.7 26.0 3(4) 4(4) 6	4 20.7 0.9 20.4 21.0 4(5) 5(5) 2	(3)	(3)	(3)	(3)	(3)	(3)	-	-	(3)	-	-	(2)	-
GUEPH loam	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	3 24.0 1.4 21.2 29.0 3(1) 2(4) 3(5) 12	3 24.0 1.2 23.2 27.9 3(7) 4(3) 12	4 21.1 0.7 20.1 21.9 4(7) 5(3) 10	(3)	3 26.3 1.7 24.5 27.9 2(4) 3(5) 5(1) 11	3 23.5 1.6 21.0 26.0 4(2) 2(2) 3(4) 4(2) 16	3 25.1 1.6 23.0 27.9 2(2) 4(4) 11	2 25.7 1.0 24.5 28.1 1(4) 2(3) 3(3) 9	2 25.3 1.4 24.5 26.3 2(5) 3(5) 10	2 26.3 1.8 24.5 26.3 1(4) 2(4) 6	4 21.2 0.3 21.0 20.3 4(10) 2	-	2 23.0 1.3 21.7 25.0 1(2) 2(2) 3(6) 2	(3)	3 24.0 0.9 23.0 26.0 3(10) 2	3 24.7 1.4 23.7 26.0 2(5) 3(7) 6
HALDEN clay	SITE CLASS MEAN STDEV MIN MAX DISTRIBUTION N	(3)	(3)	(2)	(3)	(4)	2 24.2 1.6 22.3 26.2 1(2) 2(5) 3(3) 6	3 24.0 0.7 24.3 25.3 3(5) 4(5) 2	1 27.0 1.2 26.2 27.9 1(10) 1	4 22.3 - - - 1	(3)	(3)	(4)	(4)	3 23.1 1.0 21.9 25.4 2(3) 4(7) 4	4 18.9 1.1 16.4 20.4 3(7) 4(2) 5(1) 6	(3)

HOLLYWOOD silt loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	1 st 26.0 2.1 25.5 27.5 1(10) 2	3 rd 25.0 1.3 24.4 27.1 2(3) 3(7) 3	4 th 22.0 1.5 21.0 23.9 3(3) 4(7) 3	2 26.0 1.5 25.9 28.0 1(4) 2(3) 3(3) 10	(3)	2 24.3 1.1 22.6 25.6 2(6) 3(4) 5	3 24.3 0.1 24.3 24.4 3(10) 3	3 rd 22.9 0.7 22.0 23.6 3(10) 2	3 rd 23.4 0.2 23.2 24.4 3(7) 4(3) 3	(3)	3 rd 23.6 0.0 22.9 24.4 3(7) 4(3) 3	(4)	(2)	(4)	(2)	
HUBER clay loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	4 th 19.3 0.3 19.0 19.5 4(10) 2	3 rd 24.4 0.4 23.0 25.0 3(7) 4(3) 3	4 th 22.2 0.5 22.3 23.2 3(3) 4(7) 3	(4)	(3)	2 nd 22.9 1.3 21.7 24.9 2(4) 3(4) 4(2) 6	3 25.3 1.4 22.3 26.7 3(9) 4(1) 9	3 rd 22.5 0.7 21.7 22.3 3(7) 4(3) 3	3 rd 23.1 0.8 20.1 20.7 3(7) 4(3) 3	(3)	(3)	4 th 20.3 0.3 20.1 20.7 4(10) 3	4 th 21.4 0.9 20.7 22.0 4(5) 5(5) 2	-	4 th 22.7 1.2 22.0 24.1 3(3) 4(7) 3	
JEDDO clay	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(8)	(4)	(4)	(4)	(8)	5 th 19.4 1.9 18.0 20.7 4(5) 5(5) 2	(3)	5 th 25.1 0.2 22.9 25.2 3(10) 2	-	(4)	(4)	(4)	(4)	1 st 23.9 0.7 23.2 24.7 1(10) 4	(5)	(5)
LINCOLN clay	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(5)	(4)	(4)	(4)	(8)	3 rd 23.2 0.4 22.9 23.0 3(10) 2	(3)	4 th 21.3 - - - - 1	4 th 22.3 - - - - 1	(4)	(4)	4 th 23.9 1.3 22.9 25.6 3(4) 4(6) 6	(4)	4 th 18.6 - - - - 1	(5)	
LONDON loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	2 24.6 0.7 23.8 25.6 1(5) 2(5) 8	2 26.1 1.1 25.0 29.0 1(1) 2(2) 3(7) 10	4 22.2 1.3 20.4 25.4 3(2) 4(6) 5(2) 8	(1)	(2)	2 nd 24.0 2.2 22.3 25.6 3(5) 3(5) 2	3 rd 25.0 0.6 25.3 26.2 3(10) 2	1 st 26.0 0.6 27.1 27.1 1(10) 3	1 st 27.0 0.0 20.7 20.7 1(10) 3	(3)	(2)	1 st 20.1 0.9 27.5 20.7 1(5) 2(5) 2	(3)	(2)	(2)	
MARLBOROUGH silt loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(4)	2 25.7 0.7 25.0 26.0 2(4) 3(6) 9	2 nd 25.0 0.3 24.7 26.3 2(7) 3(3) 3	(4)	(3)	4 th 21.7 1.1 20.4 22.3 2(3) 3(7) 3	3 25.7 0.3 25.3 26.2 3(10) 6	9 21.6 1.4 20.0 29.1 2(1) 3(2) 4(7) 12	(5)	3 rd 23.2 1.1 22.4 23.9 3(10) 2	3 rd 23.7 0.3 24.7 23.9 3(10) 3	(4)	4 th 22.0 - - - - 2	1 st 23.2 1.3 22.3 24.1 1(5) 2(5) 2	(3)	
MARLBOROUGH clay loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(3)	(4)	(4)	(4)	(3)	3 rd 23.5 0.5 22.9 24.0 2(3) 3(7) 3	(4)	(3)	4 th 22.0 0.0 22.1 23.1 3(5) 4(5) 2	(3)	(3)	4 th 20.7 0.4 20.7 21.6 3(5) 4(5) 2	(2)	(2)	(3)	
MARTINBOROUGH loamy very fine sand	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	2 24.0 1.6 21.5 25.7 1(3) 2(5) 3(2) 6	2 26.1 1.9 22.9 29.0 1(2) 2(3) 3(3) 4(2) 10	2 nd 25.2 0.2 25.0 29.3 2(10) 2	1 29.4 1.1 20.4 31.9 1(7) 2(3) 6	2 24.4 2.0 22.0 26.5 1(3) 2(2) 3(5) 6	3 23.5 0.3 20.7 31.2 2(3) 3(5) 4(2) 19	1 st 31.0 0.3 30.0 31.2 1(10) 2	2 nd 25.9 1.4 24.3 27.4 1(5) 2(5) 4	3 rd 23.2 0.2 21.1 24.9 3(10) 2	(1)	3 rd 24.3 0.2 21.1 24.9 3(10) 2	(2)	(2)	1 st 27.2 0.7 26.6 28.0 1(3) 2(7) 3		
MARLBOROUGH sandy loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(8)	(4)	(4)	(3)	(4)	3 rd 24.2 0.4 23.5 25.0 3(6) 4(4) 5	(4)	3 rd 23.1 0.2 22.9 23.2 3(5) 4(5) 2	3 rd 20.7 0.0 21.0 22.6 4(10) 3	(3)	(3)	4 th 21.7 0.0 21.0 22.6 4(10) 3	(3)	(3)	(3)	
MARLBOROUGH clay loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(2)	(4)	(4)	(4)	(3)	3 23.2 0.9 21.7 24.1 2(3) 3(5) 4(2) 6	4 th 23.2 0.3 22.9 23.4 4(10) 2	2 24.2 0.0 23.2 25.0 2(6) 3(4) 6	3 rd 20.7 0.0 21.0 22.6 4(10) 3	3 rd 24.1 - - - 1	(3)	4 th 19.8 - - - 2	2 nd 25.3 - - - 1	(3)		
OSHTEND loamy sand	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	3 rd 23.1 0.7 23.0 24.0 2(10) 2	4 th 23.1 0.2 22.9 23.2 4(10) 2	2 nd 25.0 0.6 25.0 28.3 2(10) 2	3 rd 24.7 1.1 25.9 27.8 2(5) 3(5) 2	(4)	(3)	(4)	(3)	(4)	(4)	(4)	(4)	(3)	(5)	(5)	
PARSONS loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	4 20.1 0.0 10.0 21.0 3(2) 4(7) 5(1) 12	3 25.0 1.0 22.9 26.5 2(2) 3(7) 4(1) 16	3 23.9 1.0 22.3 26.6 2(3) 3(4) 5(3) 8	3 26.2 1.1 24.4 26.6 2(2) 3(6) 4(2) 8	(8)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(3)	(5)	(5)	
PERTH clay loam	SITE CLASS MEAN STDEV NIN NPK DISTRIBUTION N	(3)	5 25.4 0.3 25.2 25.0 3(10) 3	(2)	3 26.0 0.9 26.2 27.0 2(3) 3(7) 3	(4)	4 th 20.4 0.0 19.5 21.4 4(7) 5(3) 4	3 rd 24.7 - - - 2	3 22.0 1.0 22.0 21.0 2(3) 3(7) 7	4 th 21.6 0.2 21.4 22.0 4(10) 2	4 th 21.7 0.0 21.0 22.0 4(10) 2	(3)	(3)	4 20.5 1.0 18.4 20.7 4(6) 5(4) 6	(3)	3 rd 19.4 0.2 19.2 19.6 3(10) 2	3 rd 23.5 0.0 22.0 24.1 3(8) 4(2) 6

PLAINFIELD sand	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	3 22.0 1.2 19.5 25.0 29 2(10) 3(10) 4(2)	4 23.3 2.5 20.6 24.0 30 2(11) 3(12) 4(13) 5(14)	4 ^u 22.7 0.5 22.3 23.2 5 3(13) 4(17)	(2)	4 ^u 21.5 0.5 21.0 22.0 5 3(13) 4(17)	2 ^u 24.1 - - - 2 2	2 26.0 1.6 24.4 25.0 5 2(13) 3(14)	2 25.9 1.0 24.9 25.9 5 1(14) 2(16)	2 ^u 25.5 0.4 25.1 25.9 4 2(18)	-	3 ^u 23.5 - - - 2 2	-	3 ^u 22.4 0.6 21.7 22.9 3(10) 3	1 ^u 27.4 1.6 26.8 29.5 1(13) 2(17) 3	-	-	
SAINT JACOBS loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	3 22.5 1.0 21.3 24.0 7 2(13) 3(17)	(3)	(2)	(3)	(3)	(3)	(3)	(2)	(3)	(3)	(3)	(3)	-	(3)	(4)	-	(3)
SAINT HILLIAMS SANDY LOAM	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	2 ^u 23.2 1.3 21.7 24.1 2(17) 3(19)	2 26.0 1.3 23.9 26.2 11 1(2) 2(11) 3(17)	3 ^u 23.2 0.0 22.0 24.3 3 3(17) 4(19)	(3)	4 ^u 21.1 1.2 20.0 20.1 3 3(13) 4(17)	(10)	(3)	(3)	(4)	(10)	-	(3)	-	-	(3)	(3)	
SCOTLAND loamy sand	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	(4)	(10)	(3)	(3)	(10)	(3)	2 ^u 23.0 - - - 2 2	2 ^u 24.7 - - - 2 2	1 ^u 27.0 0.2 26.0 27.1 1(15) 2(18)	-	3 ^u 23.7 0.4 23.2 24.1 3(18) 2	-	-	-	-	-	
SEWER silt loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	(2) 4(10)	(3)	(3)	(2)	(3)	3 ^u 22.0 0.0 22.1 23.2 3(18) 2	(3)	(3)	(8)	(3)	(2)	-	(10)	(4)	(3)	(3)	
SILVER HILL fine sandy loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	3 ^u 22.9 1.2 20.0 23.6 4 2(15) 3(19) 4(2)	(10)	(10)	4 ^u 24.0 0.0 23.0 25.3 3 3(13) 4(17)	(10)	(3)	1 ^u 20.7 - - - 1 1	2 25.0 0.9 24.4 26.9 6 1(13) 2(17)	2 ^u 23.8 1.4 21.3 24.7 4 3(15) 4(18)	3 ^u 24.4 - - - 1 1	(2)	(3)	-	(10)	1 ^u 24.4 - - - 1 1	(3)	
SHEPHERD silty clay loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	(2)	(10)	(10)	(10)	(3)	4 ^u 20.5 1.1 19.7 21.9 21.3 4(15) 5(15) 2	(10)	3 ^u 22.9 0.1 21.9 23.5 3(17) 4(19)	(8)	(3)	(2)	-	(3)	(3)	2 21.9 1.6 19.0 24.4 1(2) 2(15) 3(19) 7	(3)	
THISTOCK silt loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	1 25.0 0.6 24.2 26.0 7 1(16) 2(10)	3 24.3 0.9 23.5 25.0 9 3(17) 4(19)	4 ^u 22.0 0.9 21.7 23.0 9 3(15) 4(19)	4 23.0 1.3 21.4 23.0 6 3(12) 4(13) 5(15)	2 25.4 1.0 24.7 26.2 4 1(17) 2(17)	2 24.0 1.0 22.0 25.9 6 2(16) 3(14)	3 24.9 1.3 22.9 25.1 6 2(10) 3(14)	2 25.1 1.3 22.9 26.0 6 1(2) 2(16) 3(22)	4 21.4 1.1 20.6 21.7 6 4(18) 5(22)	3 24.7 0.3 22.9 26.2 6 2(13) 3(10)	3 ^u 23.2 0.2 20.1 26.1 3(18) 13	(2)	2 24.8 1.5 22.4 27.1 1(16) 2(10) 13	(1)	(2)	2 25.0 1.1 23.2 26.6 2(17) 3(19) 8	
THUNDERBOLT silt loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	2 24.2 0.9 23.5 24.9 6 2(18)	(3) 4(15) 5(15)	(3)	(1)	(3)	(2)	(3)	(2)	(2)	(3)	(3)	-	(3)	(3)	-	(3)	
TOLEDO silty clay	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	(8)	4 ^u 22.0 0.0 22.3 23.2 5 4(18)	4 ^u 22.5 0.6 22.0 22.9 2 4(18)	5 ^u 22.0 0.5 20.7 23.2 4 4(13) 5(17)	(3)	4 21.9 1.6 20.7 22.9 14 1(11) 2(13) 3(11) 4(17)	2 26.0 1.6 22.9 20.7 15 1(1) 2(16) 3(13)	2 24.2 1.4 21.7 22.7 24 1(2) 2(16) 3(22)	4 ^u 21.3 1.2 20.2 22.6 3 4(17) 5(13)	3 ^u 23.0 0.7 20.7 24.4 4 3(17) 4(13)	4 ^u 20.0 0.2 20.7 24.4 5 4(15) 5(15)	1 29.4 0.0 20.4 30.0 2 1(18)	4 ^u 20.7 - - - 2 2	4 ^u 21.9 2.1 20.4 24.4 3 3(13) 4(14) 5(13)	3 ^u 21.4 - - - 2 2	3 ^u 23.3 0.7 23.0 24.4 4 3(17) 4(13)	
TUSCULA silt loam	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	3 23.0 1.5 21.0 27.5 1(1) 2(13) 3(16)	3 25.0 0.9 23.9 27.5 2(13) 3(17)	2 25.2 0.6 23.7 25.6 13 2(17) 3(13)	3 26.0 0.6 25.4 26.0 0 3(10)	3 22.9 1.9 21.0 25.3 12 2(15) 3(17)	3 24.6 1.4 22.3 26.7 13 1(13) 2(13) 3(17) 4(11)	2 24.9 1.6 23.0 26.0 18 3(17) 4(12) 5(11)	2 ^u 24.9 1.6 23.0 23.7 2 1(15) 3(15)	2 24.3 1.7 24.1 26.1 6 1(13) 2(14) 3(13)	3 23.0 0.7 22.3 24.6 4 3(12) 4(18)	2 ^u 24.1 0.3 22.3 24.6 4 2(10)	(2)	2 23.4 0.3 24.1 26.1 8 1(10) 2(12) 3(14)	(1)	(1)	2 25.2 0.9 24.4 25.3 6 2(18) 3(12)	
VICTORIA loamy very fine sand	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	(1)	3 24.9 0.7 24.0 26.0 2(12) 3(18)	4 22.0 0.6 22.0 23.6 0 3(10) 4(16)	(1)	3 ^u 26.9 0.0 26.0 25.5 2 1(18)	5 ^u 19.5 - - - 2 2	3 ^u 24.6 0.4 24.3 25.4 3 3(13) 4(17)	2 ^u 25.1 0.5 24.7 25.4 2 2(10)	3 ^u 23.5 - - - 1 1	3 ^u 24.6 - - - 1 1	2 ^u 24.5 1.2 23.5 26.2 4 2(17) 3(13)	3 ^u 25.8 1.9 24.1 26.9 2 2(15) 3(15)	(1)	(1)	(1)	(1)	
WILSONIA fine sand	SITE CLASS MEPM STOCK MIN MM DISTRIBUTION N	2 23.2 1.6 21.0 26.0 1(2) 2(12) 3(16)	3 25.5 1.0 23.2 27.7 1(1) 2(13) 3(16)	2 25.3 1.3 22.5 27.7 27 1(1) 2(13) 3(16)	(2)	3 23.3 0.4 22.2 25.6 22 2(12) 3(18)	2 24.3 1.2 21.9 25.6 22 2(18) 3(11) 4(11)	2 ^u 26.3 1.3 24.4 29.1 6 2(16) 3(14)	2 25.3 1.0 23.5 26.3 11 1(2) 2(16) 3(14)	1 27.2 1.0 24.4 29.4 8 1(5) 2(13) 3(22)	3 ^u 24.3 0.2 24.1 25.4 2 3(18)	2 ^u 24.7 0.6 22.3 25.4 4 2(10)	4 ^u 22.3 0.2 21.9 22.4 2 4(18)	3 22.9 0.7 21.8 25.0 6 1(13) 2(12) 3(15)	4 ^u 22.4 0.7 21.8 22.9 2 4(18)	(3)	3 24.7 1.1 23.5 26.0 5 2(14) 3(16)	

appendix F

FIGURE 1: "ON-SITE" SUMMARY STATISTICS FOR WHITE PINE PLANTATIONS IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(4)	2*	(2)	(3)	(3)	(4)	(5)
	MEAN		24.4					
	STDEV		-					
	MIN		-					
	MAX		-					
GSV	DISTRIB		2(10)					
	N TREES		2					
	SITE CLASS	4	(3)	3	(2)	(3)	(4)	(5)
	MEAN	20.2		22.4				
	STDEV	1.1		1.1				
SDV	MIN	18.8		21.4				
	MAX	21.4		24.1				
	DISTRIB	4(5) 5(5)		3(6) 4(4)				
	N TREES	5		7				
	GLY	SITE CLASS	4	2	1	2	3	4*
MEAN		21.3	25.3	26.2	25.5	23.4	21.6	18.3
STDEV		1.8	1.2	0.6	1.6	1.8	0.9	1.4
MIN		18.8	23.8	25.1	22.6	20.8	20.7	16.8
MAX		25.0	27.8	27.7	27.5	25.3	22.6	19.7
C. LMY	DISTRIB	3(5) 4(4) 5(1)	1(2) 2(6) 3(2)	1(7) 2(3)	1(4) 2(5) 3(1)	2(5) 4(5)	3(3) 4(7)	5(10)
	N TREES	72	34	12	15	15	3	5
	SITE CLASS	3*	5c*	(1)	(2)	4*	(4)	(5)
	MEAN	23.8	18.5	25.1		21.5		
	STDEV	0.1	0.1	0.7		-		
SIY	MIN	22.9	18.3	24.2		-		
	MAX	23.2	18.6	25.7		-		
	DISTRIB	3(10)	5(10)	2(10)		4(10)		
	N TREES	2	2	5		2		
	FLY	SITE CLASS	3	5c	1	2	1	2
MEAN		23.7	19.6	27.4	25.2	27.5	24.6	23.1
STDEV		1.2	1.2	1.1	1.2	1.8	1.3	1.8
MIN		21.4	18.3	25.9	23.4	24.9	22.3	20.7
MAX		26.2	21.2	29.3	26.3	28.3	26.5	24.3
FLY	DISTRIB	2(3) 3(6) 4(1)	4(5) 5(5)	1(10)	1(3) 2(4) 3(3)	1(9) 2(1)	1(2) 2(6) 3(2)	2(5) 4(5)
	N TREES	35	10	11	8	14	15	12
	SITE CLASS	4	(2)	(2)	4*	2	(3)	(4)
	MEAN	21.8			21.3	24.9		
	STDEV	0.9			0.1	0.8		
FLY	MIN	19.8			21.2	23.8		
	MAX	21.8			21.4	26.8		
	DISTRIB	4(8) 5(2)			4(10)	1(1) 2(8) 3(1)		
	N TREES	5			4	13		

appendix F

CVV	SITE CLASS		(3)	(3)	(4)	(4)	1 20.5 0.9 17.7 21.6 4(9) 5(1) 14	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
SMA	DISTRIB							
	N TREES							
	SITE CLASS			1	(3)	1	(3)	(5)
	MEAN			20.0		20.3		
	STDEV			0.8		0.5		
	MIN			19.2		27.5		
	MAX			20.7		28.7		
	DISTRIB			4(6) 5(4)		1(10)		
	N TREES			3		5		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "C5" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
 r ROOT RESTRICTING LAYER WITHIN 60 CM. c FREE CARBONATES WITHIN 50 CM.
 e.g. -"2/1c" MEANS THE SITE CLASS IS "4" IF THE "c" CONDITIONS ARE MET
 OTHERWISE SITECLASS IS "2"

FIGURE 2: "ON-SITE" SUMMARY STATISTICS FOR RED PINE PLANTATIONS IN SITE REGION 6E

TEXTURE GROUP (TG)	STATISTICS	DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(5)	3	(4)	(5)	(5)	(5)	(5)
	MEAN		19.8					
	STDEV		1.3					
	MIN		18.0					
	MAX		21.8					
	DISTRIB N TREES		2(1)3(7)4(2) 6					
GSV	SITE CLASS	5*	3*	(3)	2	(4)	(4)	(5)
	MEAN	17.1	20.4		22.9			
	STDEV	0.8	0.8		0.2			
	MIN	16.5	19.5		22.6			
	MAX	17.7	21.2		23.0			
	DISTRIB N TREES	4(5)5(5) 2	2(2)3(8) 4		2(10) 5			
SDY	SITE CLASS	3	2	1	1/3r	2	3	4
	MEAN	20.6	21.9	26.1	25.0	22.0	20.6	18.4
	STDEV	1.5	1.5	0.6	0.8	1.0	0.2	0.3
	MIN	17.4	19.5	22.0	22.0	21.1	20.3	18.0
	MAX	24.0	20.5	26.5	25.0	23.0	20.8	18.9
	DISTRIB N TREES	1(1)2(3)3(4)4(2) 114	1(3)2(4)3(3) 30	1(10) 20	1(8) 2(2) 16	1(2) 2(8) 15	3(10) 7	4(10) 10
GLY	SITE CLASS	3	(3)	(2)	(3)	(4)	(4)	(5)
	MEAN	19.4						
	STDEV	1.0						
	MIN	16.5						
	MAX	22.5						
	DISTRIB N TREES	2(1)3(5)4(4)5(1) 13						
C. LHY	SITE CLASS	1/5cr	(1)/(5)c	2/5r	1/5c	3	3*	(4)
	MEAN	24.3		22.6	23.3	20.0	20.0	
	STDEV	1.6		1.0	0.5	0.9	0.7	
	MIN	21.5		20.5	22.1	19.0	20.0	
	MAX	27.0		25.5	24.0	22.0	21.0	
	DISTRIB N TREES	1(7)2(3) 44		1(4)2(3)3(3) 10	1(6)2(4) 7	2(4)3(6) 10	2(2) 3(8) 2	
SIY	SITE CLASS	2	(3)/(5)r	1	3/5r	2/5r	(4)	(5)
	MEAN	21.4		23.1	20.0	21.0		
	STDEV	1.1		0.0	0.3	1.5		
	MIN	20.0		22.6	20.5	20.1		
	MAX	23.0		23.6	21.0	25.0		
	DISTRIB N TREES	1(1)2(7)3(2) 17		1(6)2(4) 6	2(4)3(6) 6	1(4)2(3)3(3) 10		
FLY	SITE CLASS	1*	(3)	(3)	3*	4*	5*	(5)
	MEAN	23.2			20.0	20.2	18.0	
	STDEV	0.6			0.4	1.1	0.9	
	MIN	22.5			20.5	19.4	17.0	
	MAX	23.5			21.0	20.7	19.5	
	DISTRIB N TREES	1(7)2(3) 3			2(5)3(5) 2	3(10) 4	3(3) 4(7) 3	

CVY	SITE CLASS		(5)	(3)	(4)	(5)	(5)	(5)
	MEAN							
	STDDEV							
	MIN							
	MAX							
SHA	DISTRI							
	N TREES							
				2	(3)	(5)	(5)	(5)
	MEAN			21.0				
	STDDEV			2.0				
	MIN			18.5				
	MAX			23.2				
	DISTRI			1(1)2(4)3(3)4(2)				
	N TREES			8				

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=23.0m 2: 21.0-22.9m 3: 19.0-20.9m 4: 17.0-18.9m 5: <=16.9m

* INSUFFICIENT DATA ; "(5)" SUBJECTIVE EXTRAPOLATION OF DATA: NO DATA COLLECTED
 r ROOT RESTRICTING LAYER WITHIN 60CM. C FREE CARBONATES WITHIN 50 CM.
 e.g. "1/5cr" MEANS THE SITE CLASS IS "5" IF "c" AND/OR "r" CONDITIONS ARE PRESENT OTHERWISE SITE CLASS IS "1"

FIGURE 3: "ON-SITE" SUMMARY STATISTICS FOR WHITE SPRUCE PLANTATIONS IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS:	5*	(4)	(3)	(3)	(4)	(5)	(5)
	MEAN	17.2						
	STDDEV	0.1						
	MIN	17.1						
	MAX	17.3						
	DISTRIB N TREES	5(10) 2						
GSV	SITE CLASS:	2	(3)	(2)	(3)	(4)	5*	(5)
	MEAN	25.2					18.3	
	STDDEV	1.1					-	
	MIN	23.0					-	
	MAX	26.0					-	
	DISTRIB N TREES	1(4) 2(5) 3(1) 14					5(10) 2	
SDY	SITE CLASS:	3	3	2	1	3	(4)	(5)
	MEAN	22.5	22.6	25.6	26.1	22.5		
	STDDEV	.3	.9	0.6	1.5	1.4		
	MIN	19.3	19.2	25.0	24.0	20.3		
	MAX	24.1	25.5	26.5	28.1	24.4		
	DISTRIB N TREES	3(6) 4(3) 5(1) 21	2(2) 3(4) 4(4) 14	1(4) 2(6) 6	1(4) 2(6) 11	2(2) 3(3) 4(5) 12		
GLY	SITE CLASS:	(3)	(3)	(2)	(3)	(4)	(4)	(5)
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB N TREES							
C. LMY	SITE CLASS:	3	2	(1)	3	3	3	5
	MEAN	23.9	24.7		22.4	23.9	22.0	19.0
	STDDEV	1.5	1.3		1.7	1.7	1.6	1.3
	MIN	21.0	23.1		20.1	21.0	20.7	17.4
	MAX	26.5	26.0		25.1	26.0	26.0	20.9
	DISTRIB N TREES	2(4) 3(6) 21	1(1) 2(5) 3(4) 0		2(3) 3(4) 4(3) 14	2(3) 3(4) 4(3) 16	1(1) 3(6) 4(3) 39	4(2) 5(8) 7
SIV	SITE CLASS:	1	2*	(1)	(3)	3*	4	(4)
	MEAN	20.6	25.2			23.3	21.0	
	STDDEV	0.6	1.6			0.4	1.7	
	MIN	27.5	24.4			22.0	18.3	
	MAX	29.3	27.5			23.6	23.0	
	DISTRIB N TREES	1(10) 7	1(3) 2(7) 4			3(10) 3	3(5) 4(4) 5(1) 0	
FLY	SITE CLASS:	4	(3)	(3)	5	4*	3	(4)
	MEAN	20.0			19.0	20.6	22.1	
	STDDEV	1.4			1.1	1.1	0.9	
	MIN	19.6			17.4	19.0	21.3	
	MAX	23.2			20.3	21.4	24.4	
	DISTRIB N TREES	3(3) 4(4) 5(3) 0			4(5) 5(5) 0	4(5) 5(5) 2	2(1) 3(0) 4(1) 14	

CVY	SITE CLASS:		(4)	(3)	(5)	(5)	5	(5)
	MEAN						10.2	
	STDEV						1.1	
	MIN						17.1	
	MAX						19.5	
SHR	DISTRIB						5(10)	
	N TREES						6	
	SITE CLASS:		(4)	(3)	(4)	(5)	(5)	
	MEAN							
	STDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 4: "ON-SITE" SUMMARY STATISTICS FOR NORWAY SPRUCE PLANTATIONS IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(5)	(4)	(3)	(3)	(4)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
BSY	DISTRIB							
	N TREES							
	SITE CLASS	(4)	(3)	(3)	(3)	(4)	5*	(5)
	MEAN						18.4	
	STDEV						8.8	
SOY	MIN						17.7'	
	MAX						19.2'	
	DISTRIB						5(10)	
	N TREES						3	
	SITE CLASS	(1)	(1)	(1)	(2)	(1)	(4)	(5)
GLY	MEAN	22.9	27.6			22.8		
	STDEV	0.7	1.8			1.8		
	MIN	21.4	25.3			21.4		
	MAX	24.1	29.3			22.6		
	DISTRIB	3(2) 4(6)	1(9) 2(1)			4(18)		
C. LMY	N TREES	15	13			5		
	SITE CLASS	(3)	(2)	(1)	(2)	(3)	(4)	(4)
	MEAN							
	STDEV							
	MIN							
SIY	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS	(2)	(1)	(1)	(2)	(3)	(4)	(4)
	MEAN		27.6		25.0	24.4	24.1	23.5
FLY	STDEV		1.1		1.6	0.3	1.1	0.4
	MIN		26.8		23.2	24.1	22.8	23.2
	MAX		28.4		26.2	24.7	26.8	23.8
	DISTRIB		1(5) 2(5)		2(7) 3(3)	3(10)	2(1) 3(8) 4(1)	3(18)
	N TREES		2		3	6	16	2
FLY	SITE CLASS	(2)	(1)	(1)	(2)	(3)	(3)	(4)
	MEAN					24.1	24.5	
	STDEV					0.2	1.4	
	MIN					23.8	21.7'	
	MAX					24.4	26.2'	
FLY	DISTRIB					3(10)	2(5) 3(3) 4(2)	
	N TREES					5	10	
	SITE CLASS	(3)	(1)	(1)	(2)	(3)	(3)	(4)
	MEAN	23.1						
	STDEV	0.4						
FLY	MIN	22.7						
	MAX	23.8						
	DISTRIB	3(6) 4(4)						
	N TREES	5						

CVY	SITE CLASS		(3)	(2)	(3)	(3)	1 21.9	(5)
	MEAN						8.4	
	STDEV						21.4	
	MIN						22.5	
	MAX						4(10)	
SHA	DISTRIB						9	
	N TREES							
	SITE CLASS			(3)	(4)	(3)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: $\geq 27.0m$ 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: $\leq 20.9m$

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 5: "ON-SITE" SUMMARY STATISTICS FOR EUROPEAN LARCH PLANTATIONS IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(5)	(3)	(3)	(3)	(4)	(5)	(5)
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSY	DISTRIB							
	N TREES							
	SITE CLASS	(4)	(2)	(2)	(2)	(3)	(4)	(5)
	MEAN							
	STDDEV							
SOY	MIN							
	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS	3	2	(1)	1	(2)	(3)	(5)
GLY	MEAN	22.0	24.9		26.9			
	STDDEV	1.7	0.9		0.9			
	MIN	20.4	24.6		26.3			
	MAX	26.0	25.8		27.5			
	DISTRIB	1(1) 2(2) 3(5) 4(2)	1(5) 2(5)		1(10)			
C. LMY	N TREES	16	6		2			
	SITE CLASS	(3)	(2)	(2)	(1)	(2)	(4)	(5)
	MEAN							
	STDDEV							
	MIN							
SIY	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS	3	1*	(1)	1	(3)	1	(5)
	MEAN	22.3	25.1		25.3		20.0	
FLY	STDDEV	1.4	0.2		0.7		0.0	
	MIN	19.6	24.9		24.7		19.2	
	MAX	24.6	25.3		26.5		21.4	
	DISTRIB	2(3) 3(4) 3(3)	1(7) 2(3)		1(8) 2(2)		3(2) 4(8)	
	N TREES	29	3*		5		6	
SIY	SITE CLASS	1	(1)	(1)	(2)	(3)	(4)	(5)
	MEAN	25.0						
	STDDEV	0.9						
	MIN	23.8						
	MAX	26.0						
FLY	DISTRIB	1(5) 2(5)						
	N TREES	0						
	SITE CLASS	4*	(3)	(2)	3*	(4)	(5)	(5)
	MEAN	20.6			21.1			
	STDDEV	0.6			0.6			
FLY	MIN	20.1			20.4			
	MAX	21.0			21.6			
	DISTRIB	3(5) 4(5)			3(3) 4(7)			
	N TREES	2			3			

CVY	SITE CLASS:		(3)	(3)	(4)	(4)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
SHA	DISTRIB							
	N TREES							
	SITE CLASS:			(3)	(4)	(4)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: $\geq 26.0m$ 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: $\leq 19.9m$

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

Range 58-80

FIGURE 6: "ON-SITE" SUMMARY STATISTICS FOR HARD MAPLE IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES						
GSV	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 18.5 1.4 17.7 21.3 2(4) 3(4) 4(2) 5	(2)	(4)	(5)		
SOV	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 19.4 1.1 17.1 20.3 2(3) 3(4) 4(3) 9	1 22.4 1.1 21.0 24.4 2(3) 3(7) 9	3 18.2 1.0 17.7 18.6 3(2) 4(8) 5	(3)	4x 17.7 0.4 17.4 18.0 3(5) 4(5) 2	
GLY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 18.7 1.4 16.2 19.8 3(7) 4(3) 6	(2)	(3)	(3)	(4)	(5)
C. LMV	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	2 20.3 1.4 18.5 23.0 1(2) 2(4) 3(4) 52	1 23.8 0.6 22.3 26.1 1(10) 16	2 21.0 0.7 20.7 22.9 1(4) 2(6) 9	2 20.0 1.3 18.3 21.0 2(4) 3(6) 5	3 18.5 1.1 17.1 21.7 2(4) 3(4) 4(2) 5	(5)
SIV	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 19.0 1.1 18.3 20.6 2(3) 3(7) 11	1 23.6 0.7 22.9 24.4 1(10) 5	2 21.4 0.5 20.7 21.9 2(10) 5	2 21.5 1.1 20.1 23.2 1(3) 2(7) 6	3 19.4 1.4 17.1 21.3 2(5) 3(2) 4(3) 9	(5)
FLY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	2 20.3 1.4 18.3 23.0 1(2) 2(4) 3(4) 14	1 24.3 0.0 22.9 25.3 1(10) 10	2x 21.3 - - - - 1	3 19.6 1.4 18.0 23.1 1(1) 2(1) 3(8) 17	3x 18.0 0.9 17.4 18.6 3(5) 4(5) 2	(5)

CVV	SITE CLASS:		4*	2*	(4)	(5)		
	MEAN		17.3	20.0				
	STDDEV		0.4	0.6				
	MIN		16.0	19.5				
	MAX		17.7	20.4				
SHA	DISTRI		4(10)	2(5) 3(5)				
	N TREES		3	2				
	SITE CLASS:			3	3	5		
	MEAN			10.4	10.0	15.9		
	STDDEV			1.1	1.3	1.6		
	MIN			16.5	17.1	15.2		
	MAX			19.8	20.7	18.3		
	DISTRI			3(4) 4(6)	3(7) 4(3)	3(3) 4(3) 5(3)		
	N TREES			11	4	3		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=22.0m 2: 20.0-20.9m 3: 18.0-19.9m 4: 16.0-17.9m 5: 15.9m
 1: 21.2-22.1m 5: <= 20.1m

* INSUFFICIENT DATA (5)* SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE

FIGURE 7: "ON-SITE" SUMMARY STATISTICS FOR WHITE ASH IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS:						
	MEAN						
	STDOEV						
	MIN						
	MAX						
GSY	DISTRIB						
	N TREES						
	SITE CLASS:						
	MEAN						
	STDOEV						
SOY	MIN						
	MAX						
	DISTRIB						
	N TREES						
	SITE CLASS:						
GLY	MEAN						
	STDOEV						
	MIN						
	MAX						
	DISTRIB						
C.LMY	N TREES						
	SITE CLASS:						
	MEAN						
	STDOEV						
	MIN						
SIY	MAX						
	DISTRIB						
	N TREES						
	SITE CLASS:						
	MEAN						
FLY	STDOEV						
	MIN						
	MAX						
	DISTRIB						
	N TREES						

CVV	SITE CLASS		4*	(3)	(3)	(4)	(5)	
	MEAN		19.8					
	STDEV		1.2					
	MIN		18.9					
	MAX		20.7					
	DISTRI		1(5) 5(5)					
	N TREES		2					
SHA	SITE CLASS			5	3*	4*		
	MEAN			18.6	22.1	19.8		
	STDEV			1.8	0.6	0.4		
	MIN			17.1	21.4	19.5		
	MAX			20.4	22.5	20.1		
	DISTRI			1(3) 5(7)	3(10)	1(10)		
	N TREES			12	3	2		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=25.0m 2: 23.0-24.9m 3: 21.0-22.9m 4: 19.0-20.9m 5: <=18.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 8: "ON-SITE" SUMMARY STATISTICS FOR RED OAK IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS	4M	2M	(2)	(3)	(4)	
	MEAN	18.5	23.0				
	STDOEV	0.9	0.2				
	MIN	18.3	22.9				
	MAX	19.0	23.2				
	DISTRIB N TREES	4(10) 2	2(10) 3				
GSY	SITE CLASS	4	(2)	(2)	(2)	(3)	(4)
	MEAN	19.0					
	STDOEV	1.2					
	MIN	18.3					
	MAX	21.1					
	DISTRIB N TREES	3(4) 4(6) 5					
SDY	SITE CLASS	3	(2)	(1)	1M	3	(4)
	MEAN	20.2			25.0	21.6	
	STDOEV	1.6			0.8	1.6	
	MIN	16.0			21.4	19.0	
	MAX	23.4			25.9	23.2	
	DISTRIB N TREES	2(1) 2(3) 3(4) 4(2) 23			1(10) 3	2(4) 4(6) 5	
GLY	SITE CLASS	(3)	(2)	(1)	2M	(3)	(4)
	MEAN				23.4		
	STDOEV				0.9		
	MIN				22.6		
	MAX				24.4		
	DISTRIB N TREES				1(3) 2(7) 3		
C. LMY	SITE CLASS	3	1M	(1)	(2)	3M	4M
	MEAN	21.0	25.4			20.0	10.6
	STDOEV	1.9	1.3			0.6	0.5
	MIN	18.6	24.2			19.5	10.3
	MAX	23.0	26.0			20.4	19.2
	DISTRIB N TREES	2(6) 4(4) 10	1(10) 3			3(5) 4(5) 2	4(10) 3
SIY	SITE CLASS	(3)	(1)	(1)	(2)	(3)	(4)
	MEAN						
	STDOEV						
	MIN						
	MAX						
	DISTRIB N TREES						
FLY	SITE CLASS	(3)	(2)	3M	(3)	(4)	(5)
	MEAN			20.7			
	STDOEV			-			
	MIN			-			
	MAX			-			
	DISTRIB N TREES			2			

CVY	SITE CLASS:						
	MEAN						
	STDDEV						
	MIN						
	MAX						
	DISTRIB						
	N TREES						
SHA	SITE CLASS:			3	(2)	(3)	
	MEAN			20.1			
	STDDEV			1.6			
	MIN			16.0			
	MAX			22.3			
	DISTRIB			2(1) 2(3) 3(4) 4(2)			
	N TREES			14			

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=24.0m 2: 22.0-23.9m 3: 20.0-21.9m 4: 18.0-19.9m 5: <=17.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS=NO DATA AVAILABLE

FIGURE 9: "ON-SITE" SUMMARY STATISTICS FOR BLACK CHERRY IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT NODULES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS:							
	MEAN							
	STDEV							
	MIN							
	MAX							
GSV	DISTRIB							
	N TREES							
	SITE CLASS:	(3)	2	(3)	(3)	(4)		
	MEAN		22.3					
	STDEV		0.4					
SOV	MIN		21.9					
	MAX		22.9					
	DISTRIB		2(6) 3(4)					
	N TREES		5					
	SITE CLASS:	4*	(3)	2*	2*	3	(4)	
GLY	MEAN	19.0		22.2	23.0	20.1		
	STDEV	1.3		1.5	0.4	0.5		
	MIN	17.7		20.9	23.5	19.5		
	MAX	20.7		23.0	24.1	20.8		
	DISTRIB	3(3) 4(5) 5(2)		2(5) 3(2) 4(3)	1(5) 2(5)	2(5) 3(5)		
C. LMY	N TREES	4		4	2	4		
	SITE CLASS:	4*	(2)	(2)	(2)	(3)	(4)	
	MEAN	19.2						
	STDEV	-						
	MIN	-						
SIY	MAX	-						
	DISTRIB	-						
	N TREES	2						
	SITE CLASS:	3	1	(1)	(2)	2*	3*	
FLY	MEAN	20.2	24.3			23.6	20.8	
	STDEV	1.1	0.5			-	1.7	
	MIN	18.2	23.0			-	19.2	
	MAX	21.7	24.7			-	22.9	
	DISTRIB	3(5) 4(5)	1(6) 2(4)			-	2(2) 3(3) 4(5)	
SIY	N TREES	12	7			2	4	
	SITE CLASS:	3*	(1)	(2)	(3)	4*	(5)	
	MEAN	20.4				19.5		
	STDEV	1.1				1.1		
	MIN	20.0				10.5		
FLY	MAX	21.2				20.5		
	DISTRIB	2(5) 3(5)				3(5) 4(5)		
	N TREES	4				2		
	SITE CLASS:	2	2*	4*	3*	4*		
FLY	MEAN	22.4	23.2	19.7	21.3	19.0		
	STDEV	1.1	-	0.3	0.2	-		
	MIN	20.7	-	17.1	21.2	-		
	MAX	23.0	-	19.5	21.4	-		
	DISTRIB	2(7) 3(3)	-	4(3) 5(7)	3(10)	-		
	N TREES	7	1	3	2	1		

CVY	SITE CLASS						
	MEAN						
	STDDEV						
	MIN						
	MAX						
	DISTRIB						
	N TREES						
SHR	SITE CLASS			4*	3*	(5)	
	MEAN			19.7	21.5		
	STDDEV			0.4	0.4		
	MIN			19.4	21.0		
	MAX			20.0	21.7		
	DISTRIB			2(5) 3(5)	3(10)		
	N TREES			2	3		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=24.0m 2: 22.0-23.9m 3: 20.0-21.9m 4: 18.0-19.9m 5: <=17.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE
 BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 10: "ON-SITE" SUMMARY STATISTICS FOR BASSWOOD IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS:						
	MEAN						
	STDDEV						
	MIN						
	MAX						
GSY	DISTRIØ						
	N TREES						
	SITE CLASS:		3x	(4)	(5)	(5)	
	MEAN		19.2				
	STDDEV		-				
SDY	MIN		-				
	MAX		-				
	DISTRIØ		-				
	N TREES		1				
	SITE CLASS:		2x	3x	(4)	(4)	(5)
GLY	MEAN		22.2	20.1			
	STDDEV		0.2	1.3			
	MIN		22.0	19.2			
	MAX		22.3	21.0			
	DISTRIØ		2(10)	2(5) 3(5)			
C. LMY	N TREES		2	2			
	SITE CLASS:		(2)	(3)	4x	(4)	(5)
	MEAN				10.0		
	STDDEV				0.6		
	MIN				10.3		
SIV	MAX				19.2		
	DISTRIØ				3(5) 4(5)		
	N TREES				2		
	SITE CLASS:				4x	3	5x
	MEAN				10.6	19.7	16.3
FLY	STDDEV				-	0.5	1.5
	MIN				-	19.5	14.7
	MAX				-	20.7	17.7
	DISTRIØ				-	3(10)	4(3) 5(7)
	N TREES				3	5	4
SIV	SITE CLASS:				(3)	(3)	3x
	MEAN						19.0
	STDDEV						-
	MIN						-
	MAX						-
FLY	DISTRIØ						-
	N TREES						1
	SITE CLASS:						
	MEAN						
	STDDEV						
FLY	MIN						
	MAX						
	DISTRIØ						
	N TREES						
	SITE CLASS:						
	MEAN						
	STDDEV						
	MIN						
	MAX						
	DISTRIØ						
	N TREES						

CVY	SITE CLASS:		(4)	4x	(4)	(5)	(5)	
	MEAN			17.7				
	STDDEV			0.8				
	MIN			17.1				
	MAX			18.3				
	DISTRIB			1(10)				
SHA	N TREES			2				
	SITE CLASS:			3x	(4)	4x	(5)	
	MEAN			19.9		17.7		
	STDDEV			1.4		-		
	MIN			17.7		-		
	MAX			22.0		-		
	DISTRIB			2(4) 3(4) 1(2)		1		
	N TREES			8				

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=23.0m 2: 21.0-22.9m 3: 19.0-20.9m 4: 17.0-18.9m 5: <=16.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS=NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT MOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 11: "ON-SITE" SUMMARY STATISTICS FOR SILVER MAPLE IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS							
	MEAN							
	STDEV							
	MIN							
	MAX							
GSV	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN							
	STDEV							
SDV	MIN							
	MAX							
	DISTRIB					(3)	3* 20.4 0.4 20.1 21.0 3(10) 4	(4)
	N TREES							
	GLY	SITE CLASS					(4)	(3)
MEAN								
STDEV								
MIN								
MAX								
C. LMY	DISTRIB							
	N TREES							
	SITE CLASS					3* 21.3 1.1 20.1 22.2 2(3) 3(7) 3	3 21.1 1.0 19.0 22.9 2(1) 3(8) 4(1) 7	4* 19.0 - - - - 3
	N TREES							
	SIY	SITE CLASS					(3)	(1)
MEAN								
STDEV								
MIN								
MAX								
FLY	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN						3 21.7 0.7 20.7 22.9 2(3) 3(7) 6	(3)
	N TREES							

CVY	SITE CLASS						1	3
	MEAN						26.1	19.9
	STDEV						1.3	8.5
	MIN						22.9	19.5
	MAX						27.8	20.7
	DISTRIB N TREES						1(9) 2(1) 10	3(6) 4(1) 5
SHA	SITE CLASS							
	MEAN							
	STDEV							
	MIN							
	MAX							
	DISTRIB N TREES							

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STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

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SITE CLASSES (SI-50yr): 1: >=24.0m 2: 22.0-23.9m 3: 20.0-21.9m 4: 18.0-19.9m 5: <=17.9m

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* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE
 BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

=====

FIGURE 12: "ON-SITE" SUMMARY STATISTICS FOR RED MAPLE IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT NOTCHES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS:							
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSY	DISTRIB							
	N TREES							
	SITE CLASS:	(3)	(2)	(3)	(4)			
	MEAN							
	STDDEV							
SDY	MIN							
	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS:	3*	(1)	2	3*	4*	4*	
GLY	MEAN	21.7		23.3	21.7	18.5	19.5	
	STDDEV	-		0.3	1.3	1.1	-	
	MIN	-		22.9	19.8	17.7	-	
	MAX	-		23.8	22.9	19.2	-	
	DISTRIB	-		2(10)	2(5) 3(3) 4(2)	4(5) 5(5)	-	
C. LMY	N TREES	1		5	4	2	1	
	SITE CLASS:	(3)	(2)	(2)	(3)	(4)	(4)	
	MEAN							
	STDDEV							
	MIN							
SIV	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS:	(3)	(1)	(2)	(3)	3*	4*	
	MEAN					20.3	19.7	
FLY	STDDEV					0.1	0.2	
	MIN					19.8	19.5	
	MAX					20.7	19.8	
	DISTRIB					3(7) 4(3)	4(10)	
	N TREES					4	2	
SIV	SITE CLASS:	(2)	(1)	(2)	(3)	(4)	(5)	
	MEAN							
	STDDEV							
	MIN							
	MAX							
FLY	DISTRIB							
	N TREES							
	SITE CLASS:	1*	(1)	(2)	(3)	5*	(5)	
	MEAN	20.3				17.6		
	STDDEV	0.2				-		
FLY	MIN	20.1				-		
	MAX	20.4				-		
	DISTRIB	1(10)				-		
	N TREES	3				1		

CVY	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							
SHR	SITE CLASS			4M	(4)	(5)		
	MEAN			10.0				
	STDDEV			0.6				
	MIN			10.3				
	MAX			19.2				
	DISTRIB			1<10>				
	N TREES			2				

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1<0>2<2> MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=24.0m 2: 22.0-23.9m 3: 20.0-21.9m 4: 10.0-19.9m 5: <=17.9m
4: 21.2-22.4m 5: <= 20.1m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOTTE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 13: "ON-SITE" SUMMARY STATISTICS FOR BEECH IN SITE REGION 6E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS:							
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSV	DISTRIB							
	N TREES							
	SITE CLASS:	4*	(3)	(4)	(5)	(5)		
	MEAN	16.8						
	STDDEV	0.5						
SDY	MIN	16.4						
	MAX	17.1						
	DISTRIB	4(10)						
	N TREES	2						
	SITE CLASS:	4*	2*	(3)	(4)	(4)		
GLY	MEAN	17.3	20.6					
	STDDEV	0.4	0.2					
	MIN	16.8	20.4					
	MAX	17.7	20.7					
	DISTRIB	4(10)	2(10)					
C. LHY	N TREES	2	2					
	SITE CLASS:	(4)	(3)	(3)	(3)	(4)		
	MEAN							
	STDDEV							
	MIN							
SIV	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS:	3	3	(1)	(2)	2*		
	MEAN	19.0	18.0			21.4		
FLY	STDDEV	1.6	-			0.8		
	MIN	18.3	-			17.4		
	MAX	22.0	-			18.6		
	DISTRIB	1(2) 2(2) 3(6)	-			1(5) 2(5)		
	N TREES	6	2			2		
SIV	SITE CLASS:	4*	(3)	(1)	(2)	(3)		
	MEAN	18.9						
	STDDEV	-						
	MIN	-						
	MAX	-						
FLY	DISTRIB	-						
	N TREES	1						
	SITE CLASS:	(4)	(3)	(2)	(2)	2*		
	MEAN					20.1		
	STDDEV					-		
FLY	MIN					-		
	MAX					-		
	DISTRIB					-		
	N TREES					2		

CVY	SITE CLASS:		(3)	(3)	(2)			
	MEAN							
	STDDEV							
	MIN							
	MAX							
SHA	DISTRIB							
	N TREES							
	SITE CLASS:			5%	(5)	(5)		
	MEAN			11.3				
	STDDEV			-				
	MIN			-				
	MAX			-				
	DISTRIB			-				
	N TREES			1				

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=22.0m 2: 20.0-21.9m 3: 18.0-19.9m 4: 16.0-17.9m 5: <=15.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 14: "ON-SITE" SUMMARY STATISTICS FOR WHITE PINE PLANTATIONS IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS	5*	(4)	(3)	(3)	(4)	(5)
	MEAN	19.1					
	STDDEV	0.3					
	MIN	18.9					
	MAX	19.5					
GSY	DISTRI	5(10)					
	N TREES	3					
	SITE CLASS	(4)	(4)	(2)	(3)	(3)	(4)
	MEAN						
	STDDEV						
SDY	MIN						
	MAX						
	DISTRI						
	N TREES						
	SITE CLASS	1	1	1	3	3	1
GLV	MEAN	22.7	22.4	20.3	25.9	25.8	23.9
	STDDEV	1.7	1.4	0.9	0.5	1.9	1.0
	MIN	20.0	20.6	26.7	23.2	22.9	22.6
	MAX	26.3	24.7	29.8	28.5	29.8	25.6
	DISTRI	3(3) 4(4) 5(3)	3(1) 4(4) 5(5)	1(10)	2(5) 3(4) 4(1)	1(2) 2(3) 3(3) 4(2)	3(4) 4(6)
C. LMY	N TREES	20	12	16	22	17	7
	SITE CLASS	5	(3)	(2)	(3)	(3)	(4)
	MEAN	20.5					
	STDDEV	1.1					
	MIN	19.0					
SIY	MAX	21.9					
	DISTRI	5(10)					
	N TREES	9					
	SITE CLASS	3	2*	2*	3	3	3
FLY	MEAN	25.0	27.2	26.1	25.9	25.0	25.9
	STDDEV	1.1	1.3	0.7	1.2	1.2	1.2
	MIN	23.2	26.2	25.6	24.0	22.9	23.9
	MAX	27.4	28.1	26.5	29.0	28.4	28.6
	DISTRI	2(1) 3(5) 4(4)	1(5) 2(5)	2(5) 3(5)	2(3) 3(7)	2(2) 3(5) 4(3)	1(1) 2(2) 3(5) 4(2)
SIY	N TREES	19	2	2	20	63	26
	SITE CLASS	3*	(1)	2*	3	3	3
	MEAN	25.5		26.5	24.4	25.5	25.2
	STDDEV	1.3		0.6	0.4	1.4	0.5
	MIN	24.4		25.9	23.0	23.5	23.9
FLY	MAX	27.4		27.0	25.0	28.5	26.2
	DISTRI	2(2) 3(8)		2(7) 3(3)	3(9) 4(1)	1(1) 2(2) 3(6) 4(1)	2(2) 3(5) 4(3)
	N TREES	4		3	8	21	14
	SITE CLASS	4*	(2)	(2)	3*	3	4*
	MEAN	23.6			25.4	25.2	22.6
FLY	STDDEV	0.8			0.3	1.4	0.5
	MIN	22.9			25.2	23.5	22.3
	MAX	24.4			25.0	26.0	23.2
	DISTRI	3(3) 4(7)			3(10)	2(5) 3(3) 4(2)	4(10)
	N TREES	3			3	6	3

CVY	SITE CLASS:		(3)	(2)	(3)	(3)	3	(4)
	MEAN						23.9	
	STDDEV						1.3	
	MIN						22.6	
	MAX						25.6	
SHA	DISTRIB						3(4) 4(6)	
	N TREES						5	
	SITE CLASS:			4*	3	2*	4	(5)
	MEAN			22.8	25.3	26.5	23.6	
	STDDEV			0.6	1.4	1.9	0.4	
	MIN			21.3	24.1	25.8	23.5	
	MAX			26.8	26.8	27.4	24.4	
	DISTRIB			4(5) 5(5)	2(2) 3(8)	2(6) 3(4)	3(4) 4(6)	
	N TREES			1	9	3	5	

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: $\geq 28.0m$ 2: 26.0-27.9m 3: 24.0-25.9m 4: 22.0-23.9m 5: $\leq 21.9m$

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
 r ROOT RESTRICTING LAYER WITHIN 60 CM. c FREE CARBONATES WITHIN 50 CM.
 e.g. -"2/4c" MEANS THE SITE CLASS IS "4" IF THE "c" CONDITIONS ARE MET
 OTHERWISE SITECLASS IS "2"

FIGURE 15: "ON-SITE" STATISTICS FOR RED PINE IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	5*	3*	(4)	(5)	(5)	(5)	(5)
	MEAN	18.6	21.6					
	STDDEV	0.3	0.4					
	MIN	18.4	21.3					
	MAX	18.9	22.3					
	DISTRIB N TREES	5(10) 2	3(10) 2					
GSY	SITE CLASS	(5)	(3)	(3)	(3)	(3)	(4)	(5)
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB N TREES							
SOY	SITE CLASS	4	2	1	2	2	3	(4)
	MEAN	19.7	24.1	25.0	24.3	23.3	21.7	
	STDDEV	1.4	1.4	1.7	1.4	0.5	0.9	
	MIN	17.6	23.0	22.9	21.4	21.0	21.1	
	MAX	20.4	25.4	26.0	25.7	24.2	22.4	
	DISTRIB N TREES	4(6) 5(4) 27	1(2) 2(8) 28	1(8) 2(1) 3(1) 13	1(3) 2(4) 3(3) 9	2(5) 3(5) 16	3(10) 12	
GLY	SITE CLASS	5	(3)	1*	2	(3)	(4)	(3)
	MEAN	18.6		26.0	24.4			
	STDDEV	0.4		-	0.3			
	MIN	18.3		-	24.1			
	MAX	18.8		-	24.7			
	DISTRIB N TREES	5(10) 5		3	2(10) 5			
C. LHY	SITE CLASS	2/4c	2*	2	2	3	3	5
	MEAN	23.6/19.5c	24.6	24.0	23.0	22.1	21.1	18.8
	STDDEV	1.0	0.2	0.9	0.9	1.4	1.4	1.1
	MIN	23.1	24.4	23.6	21.4	21.3	19.0	18.8
	MAX	27.5	24.7	26.0	27.2	24.5	22.3	20.9
	DISTRIB N TREES	1(4) 2(6) 40	1(10) 2	1(4) 2(6) 6	1(3) 2(5) 3(2) 17	2(4) 3(6) 20	3(4) 4(6) 12	4(4) 5(6) 9
SIY	SITE CLASS	2/4r	(2)/(4)	2*/4r	1	2*	3*	(4)
	MEAN	24.2/19.7c		23.6/19.9	25.2	24.6	21.7	
	STDDEV	0.5		1.4	0.8	1.1	1.2	
	MIN	23.5		22.2	24.0	22.1	21.0	
	MAX	24.5		25.3	26.0	25.1	23.0	
	DISTRIB N TREES	2(10) 6		1(1) 2(6) 3(3) 4	1(9) 2(1) 10	1(1) 2(8) 3(1) 6	2(5) 3(5) 3	

FLY	SITE CLASS	2	(2)	3*	(3)	3	3	(4)
	MEAN	23.1		22.2		22.8	22.6	
	STDDEV	1.5		0.5		0.8	1.4	
	MIN	20.0		21.7		21.5	21.0	
	MAX	24.5		22.5		24.0	24.5	
	DISTRIB	2(3) 3(5) 4(2)		3(10)		2(3) 3(7)	2(4) 3(6)	
	N TREES	8		3		13	7	
CVV	SITE CLASS		(3)	(3)	(4)	(5)	5	(5)
	MEAN						28.8	
	STDDEV						0.6	
	MIN						20.1	
	MAX						21.2	
	DISTRIB						3(3) 4(7)	
	N TREES						3	
SHA	SITE CLASS			4*	4*	3	(5)	(5)
	MEAN			19.3	20.4	22.4		
	STDDEV			0.5	0.6	1.0		
	MIN			18.8	19.0	20.3		
	MAX			19.8	20.0	23.5		
	DISTRIB			4(5) 5(5)	4(10)	2(2) 3(4) 4(4)		
	N TREES			4	4	9		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >25.0m 2: 23.0-24.9m 3: 21.0-22.9m
4: 19.0-20.9m 5: <= 18.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
r ROOT RESTRICTING LAYER WITHIN 60 CM. c FREE CARBONATES WITHIN 50 CM.
e.g. -"2/4c" MEANS THE SITE CLASS IS "4" IF THE "c" CONDITIONS ARE MET
OTHERWISE SITECLASS IS "2"

FIGURE 16: "ON-SITE" SUMMARY STATISTICS FOR WHITE SPRUCE PLANTATIONS IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(5)	(3)	(3)	(4)	(4)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
GSY	DISTRI							
	N TREES							
	SITE CLASS	(4)	(3)	(2)	(3)	(3)	(4)	(5)
	MEAN							
	STDEV							
SDY	MIN							
	MAX							
	DISTRI							
	N TREES							
	SITE CLASS	3	(2)	1	3	2	3	(4)
GLY	MEAN	23.8		27.8	24.1	25.8	24.8	
	STDEV	1.3		8.9	8.4	1.1	1.3	
	MIN	22.8		25.3	23.5	23.5	23.7	
	MAX	25.9		27.7	24.7	26.2	26.5	
	DISTRI	2(3) 3(4) 4(3)		1(6) 2(4)	3(18)	2(4) 3(6)	2(4) 3(6)	
C. LMY	N TREES	14		8	9	18	5	
	SITE CLASS	2	(2)	(1)	(3)	(3)	(3)	(4)
	MEAN	26.9						
	STDEV	1.6						
	MIN	25.3						
SIY	MAX	27.7						
	DISTRI	1(8) 2(2)						
	N TREES	5						
	SITE CLASS	3	3*	2	4	3	3	(4)
	MEAN	23.8	23.8	25.8	22.7	23.4	24.8	
C. LMY	STDEV	1.6	8.3	-	8.9	1.5	1.1	
	MIN	20.4	23.5	-	21.4	20.4	22.8	
	MAX	24.8	24.8	-	23.8	25.6	25.6	
	DISTRI	3(5) 4(3) 5(2)	3(18)	2(18)	3(5) 4(5)	2(1) 3(5) 4(4)	2(3) 3(6) 4(1)	
	N TREES	15	2	2	6	28	18	
SIY	SITE CLASS	3*	(2)	(1)	3	4	4	(4)
	MEAN	23.8			22.9	22.4	22.7	
	STDEV	18.9			8.9	8.9	1.2	
	MIN	21.8			21.7	20.4	20.7	
	MAX	23.9			24.4	23.4	24.4	
SIY	DISTRI	3(7) 4(3)			3(4) 4(4) 5(2)	3(3) 4(4) 5(3)	3(3) 4(4) 5(5)	
	N TREES	3			7	5	8	

FLY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIBUTION N TREES	4* 22.6 1.1 21.7 23.8 3(4) 4(6) 3	(2)	(1)	(2)	3 23.6 1.6 21.7 25.3 2(2) 3(3) 4(5) 6	4* 22.5 0.6 22.0 22.9 4(10) 2	(4)
CVY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIBUTION N TREES		(4)	(3)	(2)	2* 25.7 0.3 25.3 25.9 2(10) 3	(3)	(4)
SHA	SITE CLASS: MEAN STDDEV MIN MAX DISTRIBUTION N TREES			(4)	(4)	(3)	3* 23.4 0.8 22.8 24.1 3(7) 4(3) 3	(4)

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=27.0m 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: <=20.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS=NO DATA AVAILABLE

FIGURE 12: "ON-SITE" SUMMARY STATISTICS FOR NORWAY SPRUCE PLANTATIONS IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT HOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(4)	(2)	(2)	(3)	(4)	(5)	(5)
	MEAN							
	STDEV							
	MIN							
	MAX							
GSY	DISTRI							
	N TREES							
	SITE CLASS	(3)	(2)	(2)	(3)	(3)	(4)	(5)
	MEAN							
	STDEV							
SDY	MIN							
	MAX							
	DISTRI							
	N TREES							
	SITE CLASS	2	(1)	(1)	2	2	(3)	(4)
GLY	MEAN	27.3			28.2	28.1		
	STDEV	0.8			0.8	0.1		
	MIN	25.9			27.5	27.0		
	MAX	27.8			29.3	28.1		
	DISTRI	2(8) 3(2)			1(3) 2(7)	2(10)		
C. LMY	N TREES	5			7	6		
	SITE CLASS	3	(2)	(1)	(2)	(3)	(3)	(4)
	MEAN	26.8						
	STDEV	0.9						
	MIN	25.8						
SIY	MAX	28.7						
	DISTRI	2(3) 3(7)						
	N TREES	9						
	SITE CLASS	3	(1)	2*	(1)	2	4	(4)
	MEAN	26.2		28.3		28.0	24.0	
SIY	STDEV	1.0		0.4		1.6	0.8	
	MIN	25.4		28.0		25.0	23.0	
	MAX	27.8		28.6		31.5	25.9	
	DISTRI	2(2) 3(8)		2(10)		1(4) 2(3) 3(3)	3(4) 4(6)	
	N TREES	5		2		25	5	
SIY	SITE CLASS	2	(1)	(1)	3	3	(4)	(4)
	MEAN	27.0			25.4	25.0		
	STDEV	1.6			1.8	1.2		
	MIN	24.4			23.4	23.2		
	MAX	30.0			27.3	26.5		
	DISTRI	1(3) 2(4) 3(3)			2(7) 4(3)	3(7) 4(3)		
	N TREES	21			5	18		

FLY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES	4* 24.0 0.5 23.5 24.4 4(10) 3	(2)	(1)	3* 26.0 0.9 26.2 27.0 2(3) 3(7) 3	(3)	5* 22.0 0.5 22.3 23.2 1(3) 5(7) 3	(5)
CYY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES		(3)	(2)	(2)	(3)	4* 24.4 0.6 23.0 25.0 3(3) 4(7) 3	(5)
SHA	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES			(3)	2* 27.2 0.9 25.9 28.1 2(7) 3(3) 4	(3)	(4)	(5)

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=29.0m 2: 27.0-28.9m 3: 25.0-26.9m 4: 23.0-24.9m 5: <=22.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE

FIGURE 18: "ON-SITE" SUMMARY STATISTICS FOR EUROPEAN LARCH PLANTATIONS IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS	(4)	2*	(3)	(4)	(4)	(5)	(5)
	MEAN		24.1					
	STDDEV		8.6					
	MIN		23.6					
	MAX		25.0					
	DISTRIB N TREES		2(?) 3(3) 1					
GSY	SITE CLASS	(4)	(2)	(2)	(3)	(4)	(5)	(5)
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB N TREES							
SDY	SITE CLASS	4*	(1)	2	3	2	(4)	(5)
	MEAN	21.5		24.2	22.6	24.2		
	STDDEV	0.5		1.1	0.4	1.6		
	MIN	21.0		22.6	22.2	22.6		
	MAX	22.0		26.2	23.2	26.5		
	DISTRIB N TREES	3(3) 4(?) 3		1(2) 2(5) 3(3) 12	3(10) 6	1(3) 2(2) 3(5) 9		
GLY	SITE CLASS	3*	(2)	(1)	(2)	3	(4)	(5)
	MEAN	22.3				23.7		
	STDDEV	-				1.3		
	MIN	-				22.3		
	MAX	-				25.6		
	DISTRIB N TREES	3(10) 2				2(4) 3(6) 7		
C. LMY	SITE CLASS	(3)	(2)	(1)	2*	4	4*	(5)
	MEAN				25.2	21.4	21.1	
	STDDEV				0.8	1.0	0.8	
	MIN				24.4	19.8	20.4	
	MAX				25.9	23.0	22.0	
	DISTRIB N TREES				2(10) 3	3(5) 4(4) 5(1) 10	3(4) 4(6) 3	
SIY	SITE CLASS	(3)	(1)	(1)	(2)	2	2*	(3)
	MEAN					24.4	25.4	
	STDDEV					0.4	0.7	
	MIN					24.0	24.7	
	MAX					25.0	26.2	
	DISTRIB N TREES					2(10) 5	1(3) 2(?) 4	

FLY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES	(3)	(2)	(3)	(3)	(4)	(4)	(5)
CYV	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES		(3)	(3)	(4)	(4)	(5)	(5)
SHA	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES			5 18.4 1.1 16.8 19.2 5(10) 1	(4)	(4)	(5)	(5)

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE

FIGURE 19: "ON-SITE" SUMMARY STATISTICS FOR HARD MAPLE IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
65Y	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN							
	STDDEV							
SDY	MIN							
	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS							
GLY	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB							
C. LMY	N TREES							
	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
SIY	MAX							
	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

FLY	SITE CLASS:	3	(2)	3*	2*	2*	3	4
	MEAN	22.0		23.0	24.7	24.4	22.9	21.9
	STDDEV	1.0		0.7	0.0	1.3	1.4	0.8
	MIN	21.6		22.9	-	22.6	20.4	21.2
	MAX	24.4		23.2	-	27.7	23.5	23.2
	DISTRIB N TREES	2(3) 3(4) 4(3) 11		3(10) 4	2(10) 2	1(1) 2(4) 3(5) 21	3(6) 4(4) 7	3(2) 4(8) 5
CVY	SITE CLASS:		2*	1*	2*	2*	3	4*
	MEAN		25.1	27.0	24.0	24.0	22.7	21.4
	STDDEV		0.7	0.8	0.2	0.6	1.1	1.7
	MIN		24.6	26.5	23.8	23.5	20.7	21.6
	MAX		25.6	28.1	24.3	24.4	24.4	22.3
	DISTRIB N TREES		2(10) 2	1(10) 4	2(5) 3(5) 2	2(5) 3(5) 2	2(1) 3(3) 4(6) 15	2(5) 3(5) 2
SHA	SITE CLASS:			3*	1*	2*	4*	
	MEAN			22.0	26.0	24.4	21.3	
	STDDEV			0.6	-	-	0.7	
	MIN			21.4	-	-	20.7	
	MAX			23.5	-	-	21.4	
	DISTRIB N TREES			3(5) 4(5) 2	- 1	- 1	4(10) 4	

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
r ROOT RESTRICTING LAYER WITHIN 60 CM. c FREE CARBONATES WITHIN 50 CM.
e.g. -"2/4c" MEANS THE SITE CLASS IS "4" IF THE "c" CONDITIONS ARE MET
OTHERWISE SITECLASS IS "2"

FIGURE 20: "ON-SITE" SUMMARY STATISTICS FOR WHITE ASH IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSY	DISTRIB							
	N TREES							
	SITE CLASS	4*	(3)	(3)	(2)	(4)		
	MEAN	23.8						
	STDDEV	0.3						
SDY	MIN	23.5						
	MAX	24.1						
	DISTRIB	3(3) 4(?)						
	N TREES	3						
	SITE CLASS	4*	3*	(2)	1*	3*	(5)	
GLY	MEAN	23.6	25.6		28.8	24.2		
	STDDEV	0.8	-		0.5	0.6		
	MIN	22.9	-		28.4	23.5		
	MAX	24.4	-		29.1	24.7		
	DISTRIB	3(3) 4(?)	-		1(10)	3(?) 4(3)		
C. LMY	N TREES	3	3		2	3		
	SITE CLASS	4*	(3)	(2)	(2)	(3)	(4)	
	MEAN	22.2						
	STDDEV	1.8						
	MIN	21.4						
SIY	MAX	22.9						
	DISTRIB	4(10)						
	N TREES	3						
	SITE CLASS	3	2	1	2*	3	3	(4)
	MEAN	25.2	26.6	28.2	27.3	25.6	25.1	
C. LMY	STDDEV	1.8	1.6	1.5	2.0	1.9	1.8	
	MIN	22.9	25.1	25.9	24.9	22.0	22.9	
	MAX	29.3	28.7	29.9	29.2	28.9	29.3	
	DISTRIB	1(1) 2(3) 3(3) 4(3)	1(3) 2(2) 3(5)	1(8) 2(2)	1(5) 2(3) 3(2)	1(2) 2(3) 3(4) 4(1)	1(1) 2(1) 3(6) 4(2)	
	N TREES	26	6	6	3	28	12	
SIY	SITE CLASS	3*	(1)	2*	3*	3	(4)	5*
	MEAN	24.2		27.6	24.3	24.7		20.4
	STDDEV	0.1		0.3	0.7	1.8		-
	MIN	24.1		27.3	24.1	22.3		-
	MAX	24.4		27.9	24.4	27.1		-
SIY	DISTRIB	4(10)		2(10)	3(10)	2(3) 3(4) 4(3)		-
	N TREES	3		3	2			1

FLY	SITE CLASS	4*	3*	(2)	1	1	3	2*
	MEAN	23.8	25.5		28.5	28.2	25.8	27.4
	STDDEV	0.6	0.2		1.5	1.8	1.1	1.1
	MIN	22.3	25.3		26.4	24.7	24.7	25.9
	MAX	23.5	25.6		29.7	29.6	28.7	28.4
	DISTRIB N TREES	1(10) 4	3(10) 4		1(?) 2(3) 6	1(10) 13	1(1) 2(2) 3(?) 13	2(8) 3(2) 4
CVY	SITE CLASS		3*	(2)	(2)	3	3	2
	MEAN		24.3			25.7	25.8	26.3
	STDDEV		0.2			1.7	1.4	1.8
	MIN		24.1			24.1	22.9	24.1
	MAX		24.4			27.8	27.6	28.7
	DISTRIB N TREES		3(10) 2			2(4) 3(6) 5	2(6) 3(3) 4(1) 12	1(2) 2(5) 3(3) 7
SHA	SITE CLASS			4*	(3)	(2)	(3)	3*
	MEAN			22.9				25.3
	STDDEV			0.6				-
	MIN			22.3				-
	MAX			23.5				-
	DISTRIB N TREES			1(10) 3				- 1

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (S1-50yr): 1: >=28.0 2: 26.0-27.9m 3: 24.0-25.9m 4: 22.0-23.9m 5: 20.0-21.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT MOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 21: "ON-SITE" SUMMARY STATISTICS FOR RED OAK IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS:	(5)	(4)	(3)	(3)		
	MEAN						
GSY	STDOEV						
	MIN						
SDY	MAX						
	DISTRIB						
GLY	N TREES						
C. LMY	SITE CLASS:	(4)	(3)	(2)	(2)	(3)	(3)
	MEAN						
SIY	STDOEV						
	MIN						
C. LMY	MAX						
	DISTRIB						
GLY	N TREES						
C. LMY	SITE CLASS:	(3)	2*	1*	1	2*	2
	MEAN		25.5	26.9	26.4	24.8	25.4
SIY	STDOEV		0.9	1.2	1.1	0.3	1.2
	MIN		24.4	25.6	25.5	24.4	23.5
GLY	MAX		26.2	28.4	28.3	25.0	26.9
	DISTRIB		1(3)2(7)	1(7)2(3)	1(4)2(6)	2(10)	1(3)2(6)3(1)
C. LMY	N TREES		3	4	5	2	8
GLY	SITE CLASS:	2*	(2)	(2)	(1)	(2)	(3)
	MEAN	25.3					
C. LMY	STDOEV	-					
	MIN	-					
SIY	MAX	-					
	DISTRIB	-					
C. LMY	N TREES	2					
C. LMY	SITE CLASS:	2	(2)	3*	1	2	3
	MEAN	24.8		23.9	27.6	25.4	23.6
SIY	STDOEV	1.6		1.5	1.2	1.8	1.2
	MIN	22.6		22.3	26.0	24.1	21.9
GLY	MAX	28.1		25.2	29.4	27.1	25.4
	DISTRIB	1(3)2(3)3(4)		2(3)3(7)	1(10)	1(6)2(4)	2(4)3(5)4(1)
C. LMY	N TREES	24		3	6	10	8
SIY	SITE CLASS:	2*	(1)	(2)	(3)	2*	1*
	MEAN	24.1				25.2	28.0
GLY	STDOEV	1.7				0.2	0.6
	MIN	22.0				25.0	27.4
C. LMY	MAX	26.8				25.3	28.5
	DISTRIB	1(3)2(4)3(3)				2(10)	1(10)
SIY	N TREES	2				2	3
GLY	SITE CLASS:						
	MEAN						
C. LMY	STDOEV						
	MIN						
SIY	MAX						
	DISTRIB						
GLY	N TREES						

FLY	SITE CLASS:	3*	(3)	3*	2*	2	2	2
	MEAN	22.5		22.5	25.8	24.6	24.7	25.1
	STDEV	0.9		0.7	1.9	1.2	1.2	1.3
	MIN	21.9		21.7	23.2	22.9	22.9	22.9
	MAX	23.8		22.9	26.5	25.9	26.2	27.0
	DISTRIB	3(5)4(5)		3(?)4(3)	1(5)3(5)	2(6)3(4)	1(1)2(6)3(3)	1(2)2(6)3(2)
	N TREES	1		3	2	11	18	19
CVV	SITE CLASS:		3*	(3)	3*	3	2	3
	MEAN		23.2		22.8	23.8	24.2	23.9
	STDEV		0.9		0.7	0.8	1.6	2.0
	MIN		22.6		22.2	22.9	21.7	21.3
	MAX		23.8		23.5	25.0	26.5	27.9
	DISTRIB		3(10)		3(10)	2(3)3(7)	1(2)2(4)3(4)	1(2)2(2)3(4)4(2)
	N TREES		2		3	8	24	6
SHA	SITE CLASS:			2*	(2)	4*	(5)	(5)
	MEAN			25.6		21.9		
	STDEV			-		-		
	MIN			-		-		
	MAX			-		-		
	DISTRIB			-		-		
	N TREES			1		1		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 22: "ON-SITE" SUMMARY STATISTICS FOR BLACK CHERRY IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES						
GSY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES						
SDY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	(4)	(3)	1* 29.3 - - - 2	2* 26.9 - - - 1	3 24.0 1.5 24.4 25.6 2(4) 3(6) 6	3* 23.3 1.2 21.9 24.7 3(5) 4(5) 4
GLY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	(4)	(2)	(2)	(2)	(3)	(3)
C. LMY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 24.0 1.4 21.1 26.0 2(3) 3(4) 4(3) 33	2* 25.3 0.5 25.0 25.9 2(10) 3	1* 28.3 0.6 28.1 28.7 1(10) 2	2 24.7 1.9 22.4 27.8 1(2) 2(6) 3(2) 9	2 25.4 1.9 22.4 28.7 1(3) 2(4) 3(3) 17	3* 23.5 - - - 1
SIV	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	2* 25.9 - - - 1	(1)	2* 25.0 0.6 24.4 25.6 2(7) 3(3) 3	3* 23.4 0.2 23.2 23.5 3(10) 2	4* 22.1 1.0 20.9 24.1 3(7) 4(3) 3	(5)

FLY	SITE CLASS	5*	(3)	(3)	3	4*	5*	
	MEAN	20.7			24.6	21.3	20.1	
	STDDEV	-			1.4	0.5	-	
	MIN	-			22.9	21.8	-	
	MAX	-			26.4	22.8	-	
	DISTRIB N TREES	1			2(3) 3(4) 4(3) 5	3(4) 4(4) 3	- 1	
CYY	SITE CLASS				(3)	4*	4	
	MEAN					21.2	21.7	
	STDDEV					0.7	0.9	
	MIN					20.7	20.2	
	MAX					21.9	22.6	
	DISTRIB N TREES					4(5) 5(5) 2	3(4) 4(6) 6	
SHA	SITE CLASS			3*	(4)	4*	(5)	
	MEAN			23.8		21.0		
	STDDEV			-		0.8		
	MIN			-		20.9		
	MAX			-		21.6		
	DISTRIB N TREES			1		4(5) 5(5) 2		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=27.0m 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: <=20.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT MOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 23: "ON-SITE" SUMMARY STATISTICS FOR BASSWOOD IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES						
65Y	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES			(4)	(4)	(4)	5* 20.3 8.6 19.8 20.7 5(10) 2
SDY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES		(4)	(3)	(3)	(3)	3* 24.4 - - - 1
GLY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES		3* 23.2 8.4 22.9 23.5 3(10) 2	(3)	(3)	(4)	(4)
C. LHY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES	3 24.2 1.5 22.3 26.2 2(3) 3(4) 4(3) 9	1 27.0 1.4 26.3 28.0 1(6) 2(4) 5	(2)	3* 23.9 1.0 23.0 25.0 2(3) 3(7) 3	3 24.6 1.3 22.4 26.2 2(4) 3(6) 8	4* 21.2 0.8 20.1 21.6 4(8) 5(2) 4
SIY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES	(3)	(1)	1* 27.6 0.7 27.1 28.1 1(10) 2	(2)	3* 23.2 0.4 22.9 23.5 3(5) 4(5) 2	3* 24.0 - - - - 1

FLY	SITE CLASS:	3*	(2)	(2)	3*	3	3	
	MEAN	24.1			24.6	23.3	24.0	
	STDOEV	-			0.6	1.6	1.0	
	MIN	-			24.1	21.4	22.4	
	MAX	-			25.0	25.4	24.2	
	DISTRIB N TREES	1			2(5) 3(5) 2	2(1) 3(5) 4(4) 8	3(6) 4(4) 8	
CVY	SITE CLASS:			(3)	(3)	(3)	3*	
	MEAN						23.1	
	STDOEV						1.2	
	MIN						22.0	
	MAX						24.4	
	DISTRIB N TREES						3(5) 4(5) 1	
SHA	SITE CLASS:			(4)	(4)	5*	(5)	
	MEAN					19.3		
	STDOEV					-		
	MIN					-		
	MAX					-		
	DISTRIB N TREES					1		

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 88% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=27.0m 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: <=17.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOSTILE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 24: "ON-SITE" SUMMARY STATISTICS FOR SILVER MAPLE IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS:						
	MEAN						
	STDEV						
	MIN						
	MAX						
	DISTRIB						
GSY	N TREES						
	SITE CLASS:						
	MEAN						
	STDEV						
	MIN						
	MAX						
SDY	DISTRIB						
	N TREES						
	SITE CLASS:				3*	2	3
	MEAN				24.1	26.2	25.8
	STDEV				-	0.5	1.3
	MIN				-	25.6	24.4
GLY	MAX				-	26.8	27.9
	DISTRIB				-	2(6) 3(4)	2(4) 3(6)
	N TREES				1	5	6
	SITE CLASS:				(4)	(2)	(2)
	MEAN						
	STDEV						
C. LMY	MIN						
	MAX						
	DISTRIB						
	N TREES						
	SITE CLASS:				3*	1	1
	MEAN				24.0	28.4	30.0
SIY	STDEV				-	1.4	0.5
	MIN				-	26.8	29.3
	MAX				-	30.1	30.4
	DISTRIB				-	1(6) 2(4)	1(10)
	N TREES				1	13	6
	SITE CLASS:					(2)	1*
	MEAN						28.8
	STDEV						1.8
	MIN						27.5
	MAX						30.0
	DISTRIB						1(5) 2(5)
	N TREES						2

FLY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES					3 25.6 0.6 24.7 26.5 2(2) 3(8) 9	2 27.0 1.5 25.3 29.5 1(2) 2(5) 3(3) 10	5* 20.3 0.5 19.8 20.7 5(10) 3
CYY	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES					4* 23.7 1.1 22.9 25.0 3(3) 4(7) 3	2 26.0 1.5 22.9 30.0 1(1) 2(7) 3(2) 18	3 25.0 - - - - 1
SHA	SITE CLASS: MEAN STDDEV MIN MAX DISTRIB N TREES							

=====

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND
NUMBER OF TREES MEASURED

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SITE CLASSES (SI-50yr): 1: >=20.0m 2: 26.0-27.9m 3: 24.0-25.9m 4: 22.0-23.9m 5: <=21.9m

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* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT MOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

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FIGURE 25: "ON-SITE" SUMMARY STATISTICS FOR BLACK WALNUT IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSY	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN							
	STDDEV							
SDY	MIN							
	MAX							
	DISTRIB							
	N TREES							
	GLY	SITE CLASS						
MEAN								
STDDEV								
MIN								
MAX								
C. LMY	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN	4x 21.4	1x 27.4	(1)	(2)	2x 26.1	4x 22.4	(5)
	STDDEV	-	1.6			1.1	0.8	
SIY	MIN	-	26.5			25.3	21.8	
	MAX	-	29.3			26.8	22.9	
	DISTRIB	4(10)	1(3) 2(7)			2(10)	4(10)	
	N TREES	2	3			2	2	
		SITE CLASS	(3)	(1)	(1)	(1)	1x 26.7	(2)
MEAN						1.3		
STDDEV						24.7		
MIN						27.7		
MAX						1(10)		
	DISTRIB					3		
	N TREES							

FLY	SITE CLASS:	1*	(2)	(1)	2*	3*	4*	5*
	MEAN	21.1			25.0	23.0	22.0	19.2
	STDDEV	0.9			1.7	0.9	1.4	0.4
	MIN	20.1			22.6	22.3	22.0	18.9
	MAX	22.0			26.5	23.8	24.4	19.5
	DISTRI B N TREES	1(10) 2			2(4) 3(3) 4(3) 1	2(5) 3(5) 2	3(3) 4(7) 3	5(10) 3
CVY	SITE CLASS:		1*	(2)	(2)	2*	(3)	4*
	MEAN		27.1			25.6		22.1
	STDDEV		-			0.3		0.4
	MIN		-			25.6		21.9
	MAX		-			25.9		22.3
	DISTRI B N TREES		1(10) 1			2(10) 2		4(10) 3
SHA	SITE CLASS:							
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRI B N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=27.0m 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: <=20.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 26: "ON-SITE" SUMMARY STATISTICS FOR WHITE OAK IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES						
GSY	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES			(5)	(4)	(4)	4* 17.1 0.4 16.8 17.4 4(5) 5(5) 2
SDY	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES			(4)	(4)	(3)	2 21.5 0.3 21.8 22.0 2(10) 7
GLY	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES			(4)	(3)	(3)	(2)
C. LMY	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES		(5)	(4)	3* 20.5 0.9 19.8 21.5 3(10) 3	(2)	1* 23.2 1.2 22.3 24.1 1(5) 2(5) 2
SIY	SITE CLASS: MEAN STDOEV MIN MAX DISTRIB N TREES		(5)	(4)	3* 20.2 0.6 19.4 20.4 3(10) 4	(3)	(2)
							(3)

FLY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES		(3)	2 22.2 1.6 20.4 24.4 1(2) 2(4) 3(4) 5	1 23.3 1.5 21.0 24.7 1(0) 2(2) 5	3* 20.0 0.6 19.5 20.7 3(10) 3	(4)
CVY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES		(5)	3* 20.3 1.7 19.2 22.3 2(3) 3(7) 3	2 21.7 0.5 21.2 22.4 2(10) 6	2 21.9 0.7 21.3 22.9 2(10) 6	4* 10.5 0.2 10.3 10.6 1(10) 2
SHA	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES			(5)	(4)	2 22.6 0.9 20.7 23.2 1(2) 2(4) 3(4) 6	(5)

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=23.0m 2: 21.0-22.9m 3: 19.0-20.9m 4: 17.0-18.9m 5: <=16.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE

FIGURE 27: "ON-SITE" SUMMARY STATISTICS FOR HICKORY IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES						
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm	<15cm
VGR	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
GSY	DISTRIB							
	N TREES							
	SITE CLASS							
	MEAN							
	STDDEV							
SDY	MIN							
	MAX							
	DISTRIB			(3)	(3)	4*	(5)	
	N TREES					22.8		
						8.2		
GLY						22.6		
						22.9		
						4(18)		
						2		
C. LHY	SITE CLASS	4*	(3)	(2)	(2)	(3)	(4)	
	MEAN	21.6						
	STDDEV	0.3						
	MIN	21.4						
	MAX	21.7						
SIY	DISTRIB	4(18)						
	N TREES	2						
C. LHY	SITE CLASS	3	1*	2*	2	3	4*	(5)
	MEAN	24.9	28.5	25.6	25.5	24.6	22.3	
	STDDEV	1.9	0.6	0.9	1.2	1.4	-	
	MIN	22.8	28.0	25.2	24.6	22.8	-	
	MAX	25.9	28.7	26.0	26.9	27.3	-	
SIY	DISTRIB	2(2) 3(4) 4(3)	1(18)	2(18)	2(6) 3(4)	2(6) 3(4)	-	
	N TREES	19	3	2	5	20	1	
SIY	SITE CLASS	(3)	(1)	2*	(2)	2	(3)	(4)
	MEAN			25.0		25.1		
	STDDEV			0.7		1.6		
	MIN			24.7		24.9		
	MAX			25.0		27.5		
SIY	DISTRIB			2(5) 3(5)		1(2) 2(3) 3(5)		
	N TREES			2		6		

FLY	SITE CLASS:	3*	3*	2*	1*	3	(3)	(4)
	MEAN	23.1	24.8	25.8	27.8	24.5		
	STDDEV	1.5	1.8	-	8.5	1.5		
	MIN	20.4	23.1	-	27.2	22.8		
	MAX	21.7	25.1	-	28.1	26.7		
	DISTRIB	4(5) 5(5)	2(5) 3(5)	2(18)	1(18)	2(5) 3(3) 4(2)		
	N TREES	2	4	1	3	11		
CVY	SITE CLASS:		4*	(2)	(3)	3	4*	(5)
	MEAN		21.7			23.8	21.1	
	STDDEV		8.9			8.9	8.9	
	MIN		21.8			22.9	20.4	
	MAX		22.3			25.8	21.7	
	DISTRIB		1(18)			2(2) 3(7) 4(1)	4(5) 5(5)	
	N TREES		2			6	2	
SHA	SITE CLASS:			(4)	(3)	1*	(3)	(5)
	MEAN					27.3		
	STDDEV					-		
	MIN					-		
	MAX					-		
	DISTRIB					1		
	N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=27.0m 2: 25.0-26.9m 3: 23.0-24.9m 4: 21.0-22.9m 5: <=20.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE

FIGURE 28: "ON-SITE" SUMMARY STATISTICS FOR RED MAPLE IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES						
GSY	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES	4* 21.7 0.4 21.0 22.6 4(10) 3	(3)	(3)	(3)	(4)	
SDY	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES	(4)	(2)	3* 23.5 - - - 2	2* 25.0 - - - 1	4* 20.7 - - - 1	
GLY	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES	5* 19.0 - - - 1	(3)	(2)	(2)	(3)	
C. LMY	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES	3* 22.1 0.0 21.0 23.0 3(10) 4	3* 23.0 0.0 23.2 24.4 2(5) 3(5) 1	(2)	2 24.4 0.4 24.0 25.0 2(10) 5	2* 24.0 1.6 20.7 26.5 1(2) 2(5) 3(2) 4(1) 12	2 24.3 1.0 23.3 26.2 1(2) 2(2) 3(6) 7
SIV	SITE CLASS MEAN STDDEV MIN MAX DISTRIB N TREES	(3)	(1)	(1)	(2)	(2)	(3)

FLY	SITE CLASS	(3)	(2)	(1)	(3)	(2)	3*	3*
	MEAN						23.5	23.5
	STDDEV						0.4	-
	MIN						23.1	-
	MAX						23.9	-
CVY	DISTRIB						3(10)	-
	N TREES						2	1
	SITE CLASS		2*	(2)	(3)	(3)	3	4*
	MEAN		25.4				22.8	21.6
	STDDEV		1.4				1.4	-
SHA	MIN		24.1				21.7	-
	MAX		27.4				24.7	-
	DISTRIB		1(3) 2(7)				2(2) 3(4) 4(4)	-
	N TREES		4				5	1
	SITE CLASS							
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(8)2(2) MEANS 80% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=26.0m 2: 24.0-25.9m 3: 22.0-23.9m 4: 20.0-21.9m 5: <=19.9m

* INSUFFICIENT DATA "(5)" SUBJECTIVE EXTRAPOLATION OF SITE CLASS: NO DATA AVAILABLE
BLANK BOXES INDICATE TEXTURAL GROUP/DEPTH TO DISTINCT HOTTLE COMBINATION WHERE SPECIES RARELY EXISTS.

FIGURE 29: "ON-SITE" SUMMARY STATISTICS FOR BEECH IN SITE REGION 7E

TEXTURE GROUP (TG)		DEPTH TO DISTINCT MOTTLES					
		>150cm	100-150cm	80-100cm	50-80cm	30-50cm	15-30cm
VGR	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES						
GSY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES						
SDY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	(4)	3* 22.1 0.6 21.7 22.9 3(10) 3	2* 23.2 - - - - 1	2* 23.5 1.6 21.9 25.0 1(3) 2(4) 3(3) 3	5* 17.6 0.2 17.4 17.6 5(10) 2	
GLY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	(4)	(3)	(3)	(2)	(4)	
C. LHY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	3 21.3 1.4 19.4 23.5 2(2) 3(6) 4(2) 13	(3)	4* 20.0 0.2 19.8 20.1 4(10) 2	2 23.1 1.5 21.4 23.5 3(10) 6	3* 22.6 1.5 20.2 25.0 1(1) 2(2) 3(4) 4(3) 14	4* 20.7 - - - - 1
SIY	SITE CLASS: MEAN STDEV MIN MAX DISTRIB N TREES	(4)	(3)	(2)	1* 26.2 1.3 24.4 27.4 1(7) 2(3) 4	2* 23.1 0.6 22.7 23.0 2(5) 3(5) 4	2 24.4 1.4 23.2 25.9 1(4) 2(6) 5

FLY	SITE CLASS:	1	(3)	(3)	(2)	3*	(4)	5*
	MEAN	20.0				21.2		18.5
	STDDEV	0.5				0.6		0.2
	MIN	19.5				20.7		18.3
	MAX	20.7				21.6		18.6
	DISTRIB	4(10)				3(5) 4(5)		4(5) 5(5)
	N TREES	5				2		2
CYY	SITE CLASS:		4*	(3)	(3)	4*		
	MEAN		18.9			19.2		
	STDDEV		-			-		
	MIN		-			-		
	MAX		-			-		
	DISTRIB		-			-		
	N TREES		1			1		
SHA	SITE CLASS:			(5)	(5)	(5)		
	MEAN							
	STDDEV							
	MIN							
	MAX							
	DISTRIB							
	N TREES							

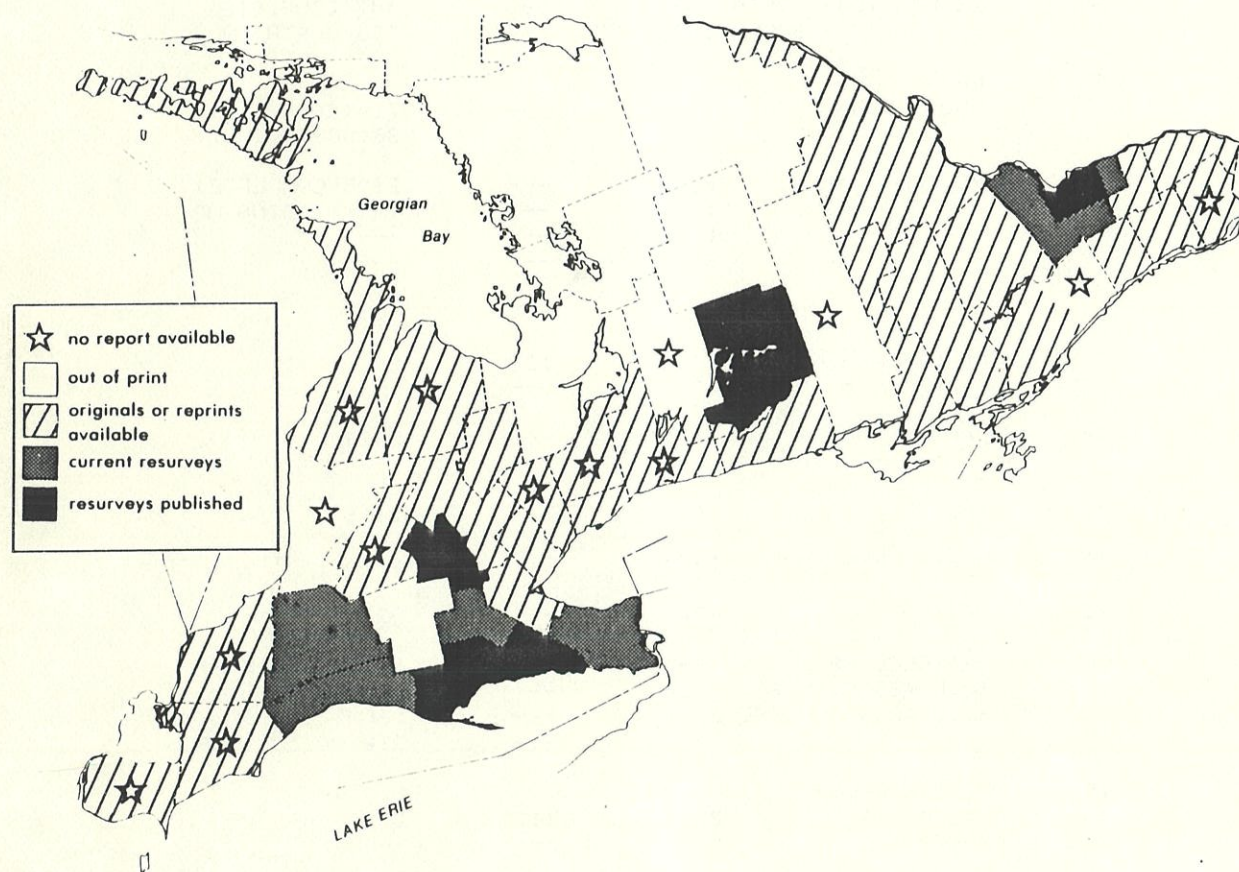
STATISTICS: MEAN, STANDARD DEVIATION, MINIMUM, MAXIMUM, SITE CLASS DISTRIBUTION (E.G. 1(0)2(2) MEANS 00% OF TREES IN SC 1 & 20% IN SC 2 AND NUMBER OF TREES MEASURED

SITE CLASSES (SI-50yr): 1: >=25.0m 2: 23.0-25.0m 3: 21.0-22.9m 4: 19.0-20.9m 5: <=18.9m

* INSUFFICIENT DATA *(5)* SUBJECTIVE EXTRAPOLATION OF SITE CLASS:NO DATA AVAILABLE

appendix G

INVENTORY OCTOBER 17, 1985
APPENDIX G. AVAILABILITY OF SOIL SURVEY MAPS AND REPORTS
FOR MUNICIPALITIES WITHIN CENTRAL AND SOUTHWESTERN REGION
O.M.A.F. WAREHOUSE, 38 BREADALBANE ST., TORONTO, ONTARIO.



MAP/ REPORT NO.		NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
1	NORFOLK	4(B&W) REPORT NO. 57	---	---
2	ELGIN	1270	---	---
3	KENT	20(B&W) 1130	---	---
4	HALDIMAND	---	---	---
		REPORT NO. 57		
5	WELLAND	610 NEW PRELIMINARY MAPS AVAILABLE O.I.P.	---	---
6	MIDDLESEX	13(B&W) QUERIES CONTACT O.I.P.	---	---
7	CARLETON	---	---	---
		NEW PRELIMINARY MAPS AVAILABLE O.I.P.		
8	PARTS OF NW ONT	1788 NEWER INFO. AVAILABLE REPORT #46+	---	1934
9	DURHAM	599	---	---
10	PRINCE EDWARD	1020	---	---
11	ESSEX	11 R 925	---	---
12	GRENVILLE	---	---	185
13	HURON - NORTH	63 12(B&W) R 257	---	---
	- SOUTH	12(B&W)	---	---
14	DUNDAS	---	---	196
15	PERTH	10 2(B&W) R 625	---	---

MAP/ REPORT NO.	NAME	NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
16	BRUCE- NORTH	29(B&W) R 1978	---	---
	SOUTH	20(B&W) R 1780	---	---
17	GREY- NORTH	9 R 1357	---	---
	- SOUTH	7 R 1956	---	---
18	PEEL	1194	---	---
19	YORK	R 169	---	---
20	STORMONT	---	---	190
21	NEW LISKEARD- ENGLEHART AREA	---	---	---
		NEWER INFORMATION AVAILABLE O.I.P.		
22	LAMBTON	R 1300	---	---
23	ONTARIO- NORTH	26 3(B&W) R 1935	---	---
	- SOUTH	R 1986	---	---
24	GLENGARRY	116 R 492	27 ---	---
25	VICTORIA	---	---	205
26	MANITOULIN	---	---	90
27	HASTINGS- NORTH	1138	---	---
	- SOUTH	1212	---	---
28	OXFORD	---	---	---
29	SIMCOE- NORTH	1190	---	36
	- SOUTH	689	---	---
30	SOIL ASSOC. OF ONTARIO	16	21	1854
31	PARRY SOUND	24(B&W)	---	62(DIFTY, WATER)
32	WENTWORTH	49	---	2195
33	PRESCOTT AND RUSSELL	---	---	849

MAP/ REPORT NO.	NAME	NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
34	LINCOLN	6(B&W) 1450	342 ---	---
		NEW PRELIMINARY MAPS AVAILABLE O.I.P.		
35	WELLINGTON- NORTH	683	50	147(COMPLETE)
	- SOUTH	589	---	350(NORTH ONLY)
36	LENNOX AND ADDINGTON	---	---	710(COMPLETE) 30(SOUTH ONLY)
37	RENFREW- #1	35	---	2655(COMPLETE)
	- #2	17	---	147(MISSING MAPS)
	- #3	14	---	---
	- #4	35	---	---
38	DUFFERIN	---	355	1055
39	FRONTENAC- NORTH	123	129	2556
	- SOUTH	214	---	---
40	LANARK- NORTH	16	---	2429
	- SOUTH	---	---	---
41	LEEDS	---	---	2618
42	NORTHUMBERLAND	1640	21	495
43	HALTON	424	---	3270
44	WATERLOO REP. SOIL ASSOC. MAP SOIL AREA ANNEXED	---	---	2771(COMPLETE) 460(WATER DAM) 16(MISS ASSOC.) 210(NO SOIL MP)
		496 3665 ---	---	---
45	PETERBOROUGH NORTH SOUTH	254 434	1125 ---	3789 ---
46	TIMMINS-NORANDA- ROUYN AREA			
	42A-320 1:250000	1833	---	---
	42A1 KIRKLAND LK	3162	---	---
	42A6 TIMMINS	3493	---	---
	42A9 MATHESON	2661	---	---
	42A10 POPOUIS JCT	2832	---	---
	42A11 PANOUR	3403	---	---
	42A15 IROQUOIS FS	2940	---	---

MAP/ REPORT NO.	NAME	NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
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47	OTTAWA URBAN FRGE			
	LAND USE	120	---	1085 (COMPLETE)
	SOILS	120	---	108 (EMPTY YEL.BX)
	EXPAND LEGEND	---	---	27 (STS OF MICRO)
	CLI AGRICULTURE	163	---	450 ACIDFREE PKT
	LAND USE NEPEAN &			
	GLOUCESTER TWPS	---	60	---
	SOIL CAP. AND LAND			
	USE REPORT	---	---	---

48	THUNDER BAY AREA			
	52A THUNDER BAY	4547	---	---
	52A3 JARVIS RIVER	4950	---	---
	52A4 PIGEON RIVER	4550	---	---
	52A5 KAKABEKA FLS	4750	---	---
	52A6 THUNDER BAY	4950	---	---
	52A10 LOON	4965	---	---
	52A11 ONION LAKE	4950	---	---
	52A12 SUNSHINE	4950	---	---
	52A13 PARTH	4945	---	---

49	SUDBURY AREA			
	411 SUDBURY	0	---	---
	4111 NOELVILLE	0	---	---
	4114 WHITEFISH FL	0	---	---
	4115 ESPANOLA	0	---	---
	4116 COPPER CLIFF	0	---	---
	4117 CONISTON	0	---	---
	4118 VERNER	0	---	---
	41110 CAPREOL	0	---	---
	41111 CHELMSFORD	0	---	---
	41115 MILNET	0	---	---
	41116 LK TEMAGAMI	0	---	---
				AVAILABLE FROM O.I.P.

50	BLIND RIVER-			
	SAULT STE MARIE AREA			
	41J,K 1:250000	225	---	---
	41J1 SPANISH	225	---	---
	41J2 ALGOMA	225	---	---
	41J3 DEAN LAKE	225	---	---
	41J4 ST JOSEPH IS	225	---	---
	41J5 BRUCE MINES	225	---	---
	41J6 IRON BRIDGE	225	---	---
	41J8 WHISKEY LAKE	225	---	---
	41J9 MADAMANSON	225	---	---
	41K9 S.S. MARIE	225	---	---
	41K10 ILE PARISIE	225	---	---
	41K15 PANCAKE BAY	225	---	---
	41K16 SEARHOUNT	225	---	---

MAP/ REPORT NO.	NAME	NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
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51	FORT FRANCES AND			
	RAINY RIVER AREA			
	52C,D INTERNATIONAL			
	FALLS-ROSEAU	275	---	---
	52C11 FT FRANCES	275	---	---
	52C12 EMO	275	---	---
	52C13 NW BAY	275	---	---
	52D15,10 RAINY RV	260	---	---
	52D16,9 ARBOR VIT	175	---	---

52	DRYDEN-KENORA	---	---	---
				INFO. AVAILABLE O.I.P.

53	PUKASKWA	---	---	---
				INFO. AVAILABLE O.I.P.

54	NORTH BAY	---	---	---
				INFO. AVAILABLE O.I.P.

55	BRANT	---	---	---
				INFO. AVAILABLE O.I.P.

56	MIDDLESEX	---	---	---
				INFO. AVAILABLE O.I.P.

57	HALDIMAND NORFOLK			
	REPORT VOLUME I	---	4950	---
	VOLUME II	---	1950	---
	1:25,000			
	1 MIDDLEPORT-CALE	4500	---	---
	2 BLACKHEATH-CAIS	4900	---	---
	3 NORWICH-TEETERV	4725	---	---
	4 WATERFORD-VILLA	4700	---	---
	5 HAGERSVILLE-NEL	4725	---	---
	6 CAYUGA-CANBORO	4720	---	---
	7 DUNNVILLE-LONG	4275	---	---
	8 TILLSONBURG-WYE	4790	---	---
	9 DELHI-SIMCOE	4720	---	---
	10 PORT DOVER-SWE	4550	---	---
	11 GLEN MEYER-CLE	4650	---	---
	12 ST WILLIAMS-TU	4720	---	---
	13 PORT ROMAN-GRA	4725	---	---
	1:100,000			
	GENERALIZED SOIL	4700	---	---

58	OTTAWA-CARLETON	---	---	---
				INFO. AVAILABLE O.I.P.

59	GOGAMA	---	---	---
				INFO. AVAILABLE O.I.P.

MAP/ REPORT NO.	NAME	NO. OF MAPS	NO. OF REPORTS	NO. OF REPORTS WITH MAPS
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60	NIAGARA	---	---	---
		INFO. AVAILABLE O.I.P.		

61	CHAPLEAU-FOLEYET	---	0	---
		INFO. AVAILABLE O.I.P.		

62	KAFUSKASING- COCHRANE	---	---	---
		INFO. AVAILABLE O.I.P.		

SOIL CAP. #40 LANARK - SOUTH 11 MAPS
SOIL CAP. #39 FRONTENAC - NORTH 5 MAPS

PLEASE NOTE:

B&W - BLACK AND WHITE COPIES

R - RECOMPILED MAPS, NEWER BASE AND ROAD SYSTEM
BRUCE COUNTY (NORTH AND SOUTH) ALSO HAS HAD A SCALE
CHANGE TO 1:63360

ALL OTHER MAPS/REPORTS ARE ORIGINAL COPIES IN COLOUR

O.I.P. - RHODA HARKES
ONTARIO INSTITUTE OF PEDOLOGY
GUELPH AGRICULTURE CENTRE
P.O. BOX 1030
GUELPH, ONTARIO.
N1H 6N1
(519) 823-5700 EX. 330

APPENDIX H. List of course workbooks to accompany the soil/silviculture workshops of the program.

1. Soil Information Session 1, Central and Southwestern Region, OMNR. October 28-31, 1980. Simcoe. 10 p, E.P. Taylor.
2. Regional Soil Course for Forestry Field Staff, Southwestern Region, OMNR. June 1-5, 1981. Owen Sound. E.P. Taylor.
3. Soil Training Session for Forestry Field Staff, Central and Southwestern Region, OMNR. June 7-10, 1982. Guelph. E.P. Taylor.
4. Forest Soils/Silviculture Workshop, Central Region, OMNR. Sept. 20-23, 1983. E.L. Borczon, E.P. Taylor.
5. Forest Soils Course, Level II, Southwestern Region, OMNR. June 27-29, 1983. J.D. Nowlan, E.P. Taylor.
6. Forest Soils/Silviculture Workshop, Central Region, OMNR. Sept. 12-15, 1983. E.L. Borczon, E.P. Taylor.
7. Forest Soils/Silviculture Workshop, Central Region, OMNR. October 2-5, 1984. J. Irwin, S. Reid, E.P. Taylor.
8. Forest Soil and Silviculture Training Session, Southwestern Region, Wingham and Alymer Districts, OMNR. October 18-19, 1984. E.P. Taylor.



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