

TOWN OF GIBSONS TREE PRESERVATION BYLAW NO. 1282, 2020

**SCHEDULE "E" - RECOMMENDED REPLACEMENT TREE SPECIES**

**NATIVE TREE SPECIES**

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>SHADE TOLERANCE</u>	<u>DESCRIPTION</u>
<b><u>VERY DRY SITE</u></b>				
ARBUTUS MENZIESII	ARBUTUS	UP TO 30 m	FULL SUN	BROADLEAF EVERGREEN
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	40 m	FULL SUN	CONIFEROUS
QUERCUS GARRYANA	GARRY OAK	20-30 m	FULL SUN	DECIDUOUS
<b><u>DRY SITE</u></b>				
ABIES GRANDIS	GRAND FIR	40-70 m	FULL SUN TO PART SHADE	CONIFEROUS
ACER CIRCINATUM	VINE MAPLE	3-5 m	PART SHADE	DECIDUOUS
ACER MACROPHYLLA	BIGLEAF MAPLE	15-20 m	FULL SUN TO PART SHADE	DECIDUOUS
POPULUS TREMULOIDES	TREMBLING ASPEN	20-25 m	FULL SUN TO PART SHADE	DECIDUOUS
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	40 m	FULL SUN	CONIFEROUS
THUJA PLICATA	WESTERN RED CEDAR	30 m	FULL SUN TO PART SHADE	CONIFEROUS
<b><u>SLIGHTLY DRY SITE</u></b>				
ABIES GRANDIS	GRAND FIR	40-70 m	FULL SUN TO PART SHADE	CONIFEROUS
ACER CIRCINATUM	VINE MAPLE	3-5 m	PART SHADE	DECIDUOUS
ACER MACROPHYLLA	BIGLEAF MAPLE	15-20 m	FULL SUN TO PART SHADE	DECIDUOUS
CORNUS NUTTALLII	PACIFIC DOGWOOD	10-20 m	FULL SUN TO PART SHADE	DECIDUOUS
PICEA SITCHENSIS	SITKA SPRUCE	70 m	FULL SUN	CONIFEROUS
POPULUS TREMULOIDES	TREMBLING ASPEN	20-25 m	FULL SUN TO PART SHADE	DECIDUOUS
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	40 m	FULL SUN	CONIFEROUS
TAXUS BREVIFOLIA	WESTERN YEW	10-15 m	PART SHADE	CONIFEROUS
THUJA PLICATA	WESTERN RED CEDAR	30 m	FULL SUN TO PART SHADE	CONIFEROUS

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TSUGA HETEROPHYLLA	WESTERN HEMLOCK	50-70 m	SUN TO SHADE	CONIFEROUS
<b><u>MOIST SITE</u></b>				
ACER CIRCINATUM	VINE MAPLE	3-5 m	PART SHADE	DECIDUOUS
ACER MACROPHYLLA	BIGLEAF MAPLE	15-20 m	FULL SUN TO PART SHADE	DECIDUOUS
MALUS DIVERSIFOLIA	PACIFIC CRABAPPLE	12 m	FULL SUN	DECIDUOUS
PICEA SITCHENSIS	SITKA SPRUCE	70 m	FULL SUN	CONIFEROUS
POPULUS TREMULOIDES	TREMBLING ASPEN	20-25 m	FULL SUN TO PART SHADE	DECIDUOUS
TAXUS BREVIFOLIA	WESTERN YEW	10-15 m	PART SHADE	CONIFEROUS
THUJA PLICATA	WESTERN RED CEDAR	30 m	FULL SUN TO PART SHADE	CONIFEROUS

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**COLUMNAR TREE SPECIES**  
LESS THAN 8M IN WIDTH AT MATURITY

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>WIDTH</u>	<u>SHADE TOLERANCE</u>	<u>FOLIAGE COLOUR</u>	<u>COMMENTS</u>
ACER PLATANOIDES 'CRIMSON SENTRY'	CRIMSON SENTRY MAPLE	13 m	6 m	MODERATE	DARK PURPLE	
ACER RUBRUM 'BOWHALL'	BOWHALL MAPLE	15 m	5 m	MODERATE	MED GREEN FALL- ORANGE	
ACER RUBRUM 'KARPICK'	KARPICK MAPLE	13 m	6 m	MODERATE	GREEN FALL- ORANGE YELLOW	RED STEMS
ACER X FREEMANII 'SCARSEN'	SCARLET SENTINEL MAPLE	15 m	6 m	FULL SUN TO PART SHADE	DK GREEN FALL -ORANGE YELLOW	DROUGHT TOLERANT
CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM	12 m	8 m	FULL SUN TO PART SHADE	DK GREEN FALL -YELLOW	TOLERANT OF URBAN CONDITIONS
FAGUS SYLVATICA 'DAWYCKII'	FASTIGIATE BEECH	10-15 m	3-4 m	FULL SUN TO PART SHADE	DK GREEN	DROUGHT TOLERANT
FAGUS SYLVATICA 'DAWYCKII PURPLE'	PURPLE FASTIGIATE BEECH	12 m	2-3 m	FULL SUN TO PART SHADE	DEEP PURPLE	DROUGHT TOLERANT
FAGUS SYLVATICA 'DAWYCKII GOLD'	GOLD LEAF FASTIGIATE BEECH	10 m	2-3 m	FULL SUN TO PART SHADE	GOLDEN YELLOW	DROUGHT TOLERANT
GINKGO BILOBA 'SENTRY'	SENTRY MAIDENHAIR	12 m	4-5 m	FULL SUN	GREEN FALL- BRIGHT YELLOW	
LIQUIDAMBAR STYRACIFLUA 'EMERALD SENTINEL'	EMERALD SENTINEL SWEETGUM	9 m	3-4 m	FULL SUN TO PART SHADE	DK GREEN FALL- YELLOW/ORANGE	
PARROTIA PERSICA 'VANESSA'	UPRIGHT IRONWOOD	7 m	3-4 m	FULL SUN	DARK GREEN FALL-CRIMSON GOLD	PREFERS WELL DRAINED SITE
PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER PEAR	12 m	5 m	FULL SUN	DK GREEN FALL - RED PURPLE	
QUERCUS ROBUR 'FASTIGIATA'	FASTIGIATE ENGLISH OAK	18 m	8 m	FULL SUN TO PART SHADE	DK GREEN FALL - GOLD/BROWN	PERSISTANT LEAVES IN FALL/WINTER

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**CONIFEROUS TREE SPECIES**

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>WIDTH</u>	<u>SHADE TOLERANCE</u>	<u>FOLIAGE COLOUR</u>	<u>COMMENTS</u>
CALOCEDRUS DECURRENS	INCENSE CEDAR	15 m	5 m	FULL SUN TO PART SHADE	RICH GREEN	
CEDRUS ATLANTICA 'GLAUCA'	BLUE ATLAS CEDAR	30 m	10 m	FULL SUN	BLUE GREEN	
CHAMAECYPARIS NOOTKATENSIS	YELLOW CEDAR	40 m	12 m	FULL SUN TO PART SHADE	GREEN	TOLERANT OF POOR SOILS. NATIVE TREE
PICEA OMORIKA	SERBIAN SPRUCE	20 m	5 m	FULL SUN TO PART SHADE	BRIGHT GREEN WITH SILVERY UNDERSIDES	
PINUS NIGRA	AUSTRIAN PINE	25 m	10 m	FULL SUN	DK GREEN	
PINUS SYLVESTRIS	SCOTS PINE	22 m	15 m	FULL SUN	BLUE GREEN	
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	40 m	12 m	FULL SUN	DARK GREEN	NATIVE TREE
SEQUOIA DENDRON SEMPERVIRENS	GIANT REDWOOD	60 m	25 m	FULL SUN	BRIGHT GREEN	NATIVE TO THE PACIFIC NORTHWEST
THUJA PLICATA	WESTERN RED CEDAR	30 m	15 m	FULL SUN TO PART SHADE	GREEN	ACIDIC, WELL DRAINED SOIL

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**SMALL TREE SPECIES**  
LESS THAN 9M IN HEIGHT AT MATURITY

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>WIDTH</u>	<u>SHADE TOLERANCE</u>	<u>FOLIAGE COLOUR</u>	<u>COMMENTS</u>
ACER BUERGERIANUM	TRIDENT MAPLE	8 m	6 m	FULL SUN	DK GREEN FALL-YELLOW TO RED	
ACER CIRCINATUM	VINE MAPLE	6 m	6 m	FULL TO PART SHADE	MED GREEN FALL-YELLOW TO RED	NATIVE TREE
ACER GINNALA	AMUR MAPLE	6 m	6 m	FULL SUN TO PART SHADE	DK GREEN FALL- ORANGE/RED	
ACER GRISEUM	PAPERBARK MAPLE	8 m	6 m	FULL SUN	DK BLUE/GREEN FALL-RED	EXFOLIATING BARK
ACER PALMATUM	JAPANESE MAPLE	VARIES	VARIES	VARIES	VARIES	UPRIGHT FORMS BEST FOR STREET TREES
ACER PLATANOIDES GLOBOSUM	GLOBE MAPLE	4.5 m	5.5 m	FULL SUN	DARK GREEN FALL-YELLOW	
AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6 m	4-5 m	FULL SUN	MED GREEN FALL-BRIGHT RED	WHITE FLWR PURPLE/BLUE FRUIT WILDLIFE TREE
CORNUS KOUSA	JAPANESE DOGWOOD	6 m	6 m	FULL SUN TO PART SHADE	GREEN TO RED FALL-YELLOW	WHITE /PINK FLWRS
CRATAEGUS X LAVALEI	LAVELLE HAWTHORN	8.5 m	9 m	FULL SUN	DARK GREEN FALL-YELLOW	GOOD WILDLIFE VALUE, WHITE FLWR ORANGE FRUIT
CRATAEGUS X MORDENSIS 'TOBA'	TOBA HAWTHORN	6 m	6 m	FULL SUN	DARK GREEN FALL-YELLOW	GOOD WILDLIFE VALUE, FRAGRANT FLOWER RED FRUIT
HALESIA CAROLINA	CAROLINA SILVERBELL	9 m	6 m	FULL SUN TO PART SHADE	LIGHT GREEN FALL-YELLOW	WHITE FLWR
MAGNOLIA KOBUS	KOBUS MAGNOLIA	9 m	6 m	FULL SUN	GREEN FALL-YELLOW	WHITE FLWR
PRUNUS CERASIFERA	PISSARD PLUM	9 m	4.5 m	FULL SUN	RED/PURPLE	PINK FLWR

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'ATROPURPUREA'						
PRUNUS X YEDOENSIS 'AKEBONO'	AKEBONO CHERRY	7.5 m	7.5 m	FULL SUN	DARK GREEN FALL-YELLOW	SOMEWHAT ROOT INVASIVE, NOT SUITABLE FOR SIDEWALKS
STYRAX JAPONICA	JAPANESE SNOWBELL	7.5 m	7.5 m	FULL SUN	LIGHT GREEN FALL-YELLOW	WHITE FRAGRANT FLWR
STYRAX JAPONICA 'ROSEA' OR 'PINK CHIMES'	PINK JAPANESE SNOWBELL	6 m	6 m	FULL SUN TO PART SHADE	LIGHT GREEN FALL-YELLOW	PINK FLWR

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**MEDIUM TREE SPECIES**  
9-15M IN HEIGHT AT MATURITY

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>WIDTH</u>	<u>SHADE TOLERANCE</u>	<u>FOLIAGE COLOUR</u>	<u>COMMENTS</u>
ACER CAMPESTRE 'QUEEN ELIZABETH'	HEDGE MAPLE	9 m	9 m	FULL SUN TO PART SHADE	DK GREEN FALL-YELLOW	PERFORMS WELL IN URBAN CONDITIONS
ACER PLATANOIDES 'CLEVELAND'	CLEVELAND MAPLE	12 m	9 m	FULL SUN TO PART SHADE	DARK GREEN SUMMER FALL-GOLDEN YELLOW	PERFORMS WELL IN URBAN CONDITIONS
ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE	12 m	11 m	FULL SUN TO PART SHADE	MED GREEN FALL-DEEP RED PURPLE	
ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	14 m	10 m	FULL SUN TO PART SHADE	DK GREEN FALL-RED	
ACER TRUNCATUM X PLATANOIDES	PACIFIC SUNSET SHANTUNG MAPLE	10 m	8 m	FULL SUN TO PART SHADE	DK GREEN FALL- ORANGE/RED	DROUGHT AND POLLUTION TOLERANT
AESCULUS X CARNEA 'BRIOTII'	RUBY RED HORSECHESTNUT	13 m	12 m	FULL SUN TO PART SHADE	DK GREEN	RED PANICLES
BETULA JACQUEMONTII	WHITE HIMALAYAN BIRCH	12 m	9 m	FULL SUN	DK GREEN FALL-YELLOW	TOLERANT OF POOR SOILS, CATKINS
BETULA NIGRA	RIVER BIRCH	14 m	14 m	FULL SUN	MED GREEN FALL -YELLOW	PREFERS MOIST ACIDIC CONDITIONS, CATKINS
CARPINUS BETULUS	EUROPEAN HORNBEAM	12 m	12 m	FULL SUN TO PART SHADE	DK GREEN FALL-YELLOW	TOLERANT OF URBAN CONDITIONS, CATKINS
CORNUS NUTALLII 'EDDIE'S WHITE WONDER'	PACIFIC FLOWERING DOGWOOD	12 m	12 m	FULL SUN TO PART SHADE	OLIVE GREEN FALL-RED	RESISTANT TO ANTHRACNOSE, WHITE BRACTS
FRAXINUS AMERICANA 'AUTUMN APPLAUSE'	AUTUMN APPLAUSE ASH	12 m	7 m	FULL SUN TO PART SHADE	BRIGHT GREEN FALL-GOLD	
FRAXINUS AMERICANA 'AUTUMN PURPLE'	AUTUMN PURPLE ASH	14 m	13 m	FULL SUN TO PART SHADE	GREEN FALL- RED/PURPLE	SENSITIVE TO DROUGHT

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FRAXINUS OXYCARPA 'RAYWOOD'	RAYWOOD ASH	11 m	10 m	FULL SUN	MED GREEN FALL - RED/PURPLE	PREFERS WELL DRAINED SITE
GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE HONEYLOCUST	15 m	11 m	FULL SUN	MED GREEN FALL-YELLOW	SALT AND DROUGHT TOLERANT
GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	SUNBURST LOCUST	13 m	11 m	FULL SUN	BRIGHT YELLOW FALL- YELLOW/BROWN	SALT AND DROUGHT TOLERANT
GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	SHADEMASTER LOCUST	13 m	11 m	FULL SUN	DARK GREEN FALL- YELLOW/BROWN	SALT AND DROUGHT TOLERANT
MAGNOLIA GRANDIFLORA	EVERGREEN SOUTHERN MAGNOLIA	15 m	7 m	PT SHADE	DARK GREEN FALL- YELLOW/BROWN	PROTECTION NEEDED FROM WINTER WINDS, WHITE FLWR
OXYDENDRUM ARBOREUM	SOURWOOD	12 m	6 m	FULL SUN TO PART SHADE	MED GREEN FALL- ORANGE/RED	NOT SUITABLE FOR STREET TREE USE. USE AS SPECIMEN ONLY
PARROTIA PERSICA	PERSIAN IRONWOOD	13 m	10 m	FULL SUN	RED PURPLE TO DK GREEN FALL-RED/GOLD	PREFERS WELL DRAINED SITE, RED STAMENS



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**LARGE TREE SPECIES**  
OVER 15M IN HEIGHT AT MATURITY

<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>HEIGHT</u>	<u>WIDTH</u>	<u>SHADE TOLERANCE</u>	<u>FOLIAGE COLOUR</u>	<u>COMMENTS</u>
ACER PLATANOIDES 'DEBORAH'	DEBORAH MAPLE	18 m	15 m	FULL SUN TO PART SHADE	BRONZE GREEN FALL-BRONZE	
ACER RUBRUM 'MORGAN'	MORGAN MAPLE	16 m	14 m	FULL SUN TO PART SHADE	MED GREEN FALL-ORANGE/RED	SMALL RED
ACER SACCHARUM 'LEGACY'	LEGACY SUGAR MAPLE	20 m	15 m	FULL SUN TO PART SHADE	DARK GREEN FALL-ORANGE/RED	VARIETY SUITED TO THE WEST COAST CLIMATE
BETULA Papyrifera	PAPER BIRCH	18 m	10 m	FULL SUN TO PART SHADE	DARK GREEN FALL-YELLOW/O RANGE	
CATALPA SPECIOSA	NORTHERN CATALPA	16 m	12 m	FULL SUN	MED GREEN FALL-YELLOW	TOLERANT OF DIFFICULT SOILS, WHITE FLWR
DAVIDIA INVOLUCRATA	DOVE TREE/ HANKERCHIEF TREE	18 m	10 m	FULL SUN	GREEN FALL-BROWN	WHITE FLWR
FAGUS SYLVATICA	EUROPEAN BEECH	25 m	20 m	FULL SUN TO PART SHADE	DK GREEN FALL-RED/BROWN	WILL NOT TOLERATE WET OR COMPACTED SITES
FAGUS SYLVATICA 'PURPUREA'	COPPER BEECH	25 m	18 m	FULL SUN TO PART SHADE	PURPLE COPPER FALL-COPPER GREEN	
GINKGO BILOBA	MAIDENHAIR TREE	25 m	15 m	FULL SUN	LIGHT GREEN FALL-BRIGHT YELLOW	
LIQUIDAMBAR STYRACIFLUA	WORPLESDON AMERICAN	15 m	9 m	FULL SUN	MED GREEN FALL-	EXCELLENT AS STREET OR PARK

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'WORPLESDON'	SWEETGUM				ORANGE/R ED/PURPLE	TREE
LIRIODENDRON TULIPIFERA	TULIP TREE	24 m	13 m	FULL SUN TO PART SHADE	MED GREEN FALL- YELLOW	NOT SUITABLE AS STREET TREE, YELLOW FLWR
METASEQUOIA GLYPTOSTROBID ES	DAWN REDWOOD	25 m	15 m	FULL SUN	BRIGHT GREEN FALL- ORANGE/B ROWN	POLLUTION TOLERANT
NOTHOFAGUS ANTARCTICA	ANTARCTIC BEECH	30 m	25 m	FULL SUN	DARK GREEN	POLLUTION TOLERANT, FRAGRANT FOLIAGE
QUERCUS COCCINEA	SCARLET OAK	16 m	12 m	FULL SUN TO PART SHADE	DARK GREEN FALL- SCARLET	TOLERANT OF URBAN CONDITIONS, ACORNS
QUERCUS PHELLOS	WILLOW OAK	17 m	15 m	FULL SUN TO PART SHADE	BRIGHT GREEN FALL- YELLOW/BR OWN	GOOD SELECTION FOR STREET TREE USE, ACORNS
TILIA TOMENTOSA	SILVER LINDEN	20 m	16 m	FULL SUN TO PART SHADE	DK GREEN ABOVE, SILVER UNDER FALL- YELLOW	GOOD PARK TREE, BEES. DROUGHT TOLERANT
ULMUS 'HOMESTEAD'	HOMESTEAD ELM	18 m	15 m	FULL SUN	MED GREEN FALL- YELLOW	RESISTANT TO DUTCH ELM DISEASE