

APPENDIX I

Forest Gardens Species List and Plot Nos, 2004

Plot No	Latin Name	English Name	Notes of 4/11/2009
1	<i>Pseudotsuga menziesii</i>	Douglas fir	OK
2	<i>Larix decidua</i>	European larch	OK – some DF
3	<i>Laris potaninii</i>	Tibetan larch	Failed. Replaced with unknown spruce – in poor health
4	<i>Tsuga heterophylla</i>	Western Hemlock	Felling in progress
5	<i>Tsuga mertensiana</i>	Mountain Hemlock	Not vigorous. OK
6	<i>Chamaecyparis lawsoniana</i>	Lawson Cypress	OK – isolated and some felling - developed windblow a few years ??
7	<i>Thuja plicata</i>	Western Red Cedar	OK. Nice plot
8	<i>Abies fraseri</i>	Fraser's Balsam Fir	OK - reasonable growth
9	<i>Cupressus macrocarpa</i>	Monterey Cypress	Mostly dead – fell or retain as example of maladaptation?
10	<i>Sequoiadendron giganteum</i>	Sierra Redwood	Poor health, some dead
11	<i>Sequoia sempervirens</i>	Coast Redwood	Good plot. Thinned. Remeasure. Felled timber
12	<i>Eucalyptus</i>	Eucalyptus	OK - some regeneration. Probably <i>E. pauciflora</i> ssp. <i>debeuzevillei</i> (Confirmed from foliage and capsule sample)
13	<i>Cedrus deodara</i>	Himalayan or Indian Cedar	Poor health – dieback
14	<i>Picea abies</i>	Norway Spruce	OK - one big WH in middle to fell
15	<i>Abies koreana</i>	Korean Fir	Moderate health. 5 big Eucalyptus possibly <i>E. coccifera</i>
16	<i>Abies grandis</i>	Grand Fir	OK
17	<i>Abies procera</i>	Noble Fir	OK. Some regeneration
18	<i>Abies cephalonica</i>	Greek Fir	OK. But identity of some trees doubtful
19	<i>Abies nordmanniana</i>	Caucasian Fir	OK
20	<i>Abies concolor</i>	Colorado Fir	Failed. At path junction
21	<i>Abies veitchii</i>	Veitch's Silver Fir	OK – nice plots. Label in wrong place
22	<i>Abies concolor</i> var. <i>lowiana</i>	Low's White Fir	Poor health. Dieback. Label needs moving
23	<i>Abies homolepis</i>	Nikko Fir	Nice plot
24	<i>Abies amabilis</i>	Beautiful Fir	Nice plot. Label OK
25	<i>Abies delavayi</i>	Delavays Silver Fir	Moderate
26	<i>Pinus nigra</i> var. <i>pallasiana</i>	Black Pine	Seen at a distance – some trees survive
27	<i>Pinus nigra</i> var. <i>nigra</i>	Austrian Pine	RBNB. Moderate
28	<i>Pinus muricata</i>	Bishop Pine	Reasonable growth – RBNB
29	<i>Pinus strobus</i>	Weymouth Pine	Nice plot. Good growth. Some regeneration
30	<i>Pinus resinosa</i>	Red Pine	Replanted with SS
31	<i>Pinus uncinata</i>	Mountain Pine	Moderate health
32	<i>Pinus thunbergii</i>	Japanese Black Pine	Failed 1 Survivor 6/6/13
33	<i>Quercus petraea</i>	Sessile Oak	Thinned. OK
34	<i>Quercus robur</i>	Pedunculate Oak	Thinned. OK
35	<i>Quercus rubra</i>	Red Oak	Thinned. OK
36	<i>Tilia cordata</i>	Small Leaved Lime	Very poor
37	<i>Nothofagus obliqua</i>	Roble or Southern Beech	OK – poor form
38	<i>Fagus sylvatica</i>	Beech	OK
39	<i>Pinus densiflora</i>	Japanese Red Pine	Failed

40	<i>Pinus peuce</i>	Macedonian Pine	Nice plot – some foliage browning. Regeneration present
41	<i>Pinus pungens</i>	Prickle Pine	3-4 trees survive. 2 <i>P. densiflora</i> at lower roadside
42	<i>Pinus ponderosa</i>	Ponderosa Pine	Very poor – dead
Note	<i>Pinus muricata</i>	Bishops Pine	Small group behind these plots (20-25 trees). Relatively good form for this pine
43	<i>Picea asperata</i>	Dragon Spruce	Small plot – moderate health. One <i>Picea omorika</i> on edge
44	<i>Pinus banksiana</i>	Jack Pine	Some blow – a few trees
45	<i>Pinus mungo</i>	Dwarf Mountain Pine	Damaged – remove trees
46	<i>Pinus mugo</i> var. <i>pumilo</i>	Dwarf Mountain Pine	Damaged – a few trees survive
47	<i>Pinus contorta</i> var. <i>contorta</i>	Shore Pine	OK – reasonable plot
48	<i>Pinus radiata</i>	Monterey Pine	Mostly blown – scattered survivors
49	<i>Pinus jeffreyi</i>	Jeffrey Pine	70% dead. Small area of <i>Abies delavayi</i> adjoining
50	<i>Cryptomeria japonica</i>	Japanese Red Cedar	Nice plot – thin – possible champion tree present
51	<i>Picea glauca</i>	White Spruce	Moderate growth – not fully stocked
52	<i>Picea engelmannii</i>	Engelmann Spruce	Removed for road or placed in 53?
53	<i>Picea jezoensis</i>	Yeddo Spruce	Needs checking – possibly 4+ trees next to plot 51
54	<i>Picea orientalis</i>	Oriental Spruce	Seen from other side of stream – needs checking
55	<i>Picea rubens</i>	Red Spruce	Looks OK – clearance of road edge would make viewing easier
56	<i>Picea omorika</i>	Serbian Spruce	Nice plot – clean road edge
57	<i>Picea mariana</i>	Black Spruce	Moderate – 50% stocking
58	<i>Eucalyptus</i>	Eucalyptus	<i>E. pauciflora</i> – only 5 trees left
59	<i>Abies lasiocarpa</i>	Alpine Fir	Still reasonably stocked – some dead trees
60	<i>Abies balsamea</i>	Balsam Fir	Poor survival. Birch & rowan present
61	<i>Acer pensylvanicum</i>	Moosewood	Well stocked – poor growth
62	<i>Ulmus glabra</i>	Wych Elm	Well stocked – poor growth
63	<i>Quercus canariensis</i>	Mirbeck's Oak	Thinning needed – otherwise OK
64	<i>Acer saccharinum</i>	Silver Maple	Poor – although well stocked
65	<i>Quercus lusitanica</i>	Lusitanian Oak	Reasonable. In REINFFORCE
66	<i>Quercus cerris</i>	Turkey Oak	OK – reasonable plot
67	<i>Acer pseudoplatanus</i>	Sycamore	Not as good as Norway maple
68	<i>Acer platanoides</i>	Norway Maple	Reasonable plot
69	<i>Populus</i> spp.	Poplar spp.	OK
70	<i>Tilia cordata</i>	Small Leaved Lime	Small plot – better than 36
71	<i>Liriodendron tulipifera</i>	Tulip Tree	Nice colour. Plot OK
72	<i>Castanea sativa</i>	Sweet Chestnut	Quite nice – continues to improve
73	<i>Prunus avium</i>	Wildstar Cherry P2004	OK – reasonable. Was Horse Chestnut ?
74	<i>Populus</i> spp.	Poplar spp. Not known	OK – incl. <i>trichocarpa</i> ?
75	<i>Picea koyamai</i>	Koyama's Spruce	Nice plot – variable form: some NS ?
76	<i>Fraxinus americana</i>	American White Ash P2005	Mostly dead
77	<i>Nothofagus procera (nervosa)</i>	Southern Beech – "Rauli" P2006	Not found. Was <i>Tilia platyphyllos</i> ?
78	Failed		
79	<i>Robinia pseudoacacia</i>	False Acacia	Few survivors – poor growth
80	<i>Populus tremula</i> & <i>Populus</i> spp.	Aspen and Poplar unknown	OK – some larch

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82	<i>Fraxinus excelsior</i>	Failed	Leyland Cypress planted in its place
83	<i>Betula pendula</i>	Silver Birch	OK
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85	<i>Juglans regia</i>	Walnut (prov. Lozeronne) P2004	In tubes. Frost damage – may grow away with nurse
86	<i>Alnus rubra</i>	Red Alder	Gappy plot
87	<i>Betula pendula</i>	Silver Birch	OK
88	<i>Betula maximowicziana</i>	Transcaucasian/Monarch Birch	Good stocking and growth. Plot needs to be checked
89	<i>Betula lenta</i>	Cherry Bark Birch	OK – thinning needed

Potential Species for Planting at Brechfa

	<i>Pinus sylvestris</i>		
	<i>Abies alba</i>		
	<i>Betula pubescens</i>		
	Aspen		
	<i>Nothofagus</i> spp.		
	<i>Eucalyptus nitens/gunnii</i>		
	<i>Alnus cordata</i>		
	<i>Alnus incana</i>		
	Monkey puzzle		
	DF		
	HL		
	<i>Pinus monticola</i>		
	<i>Pinus ayacahuite</i>		
	<i>Pinus wallichiana</i>		
	<i>Pinus armandii</i>		
	<i>Pinus cembra</i>		
	<i>Pinus yunnanensis</i>		
	<i>Pinus koraeana</i>		