Volunteer Park Treework
Recommended 2004

Trees to Diagnose (Inspect, Monitor)					
Area	**Species**	**#Trees**	**DBH**	**Avg**	**Diagnose**
NE 5	Acer platanoides	1	48	48	I M
NE 4	Quercus rubra	1	42	42	I M
S-1	Aesculus hippocastanum	1	39	39	I
N-1	Aesculus hippocastanum	1	37	37	M
NE 6	Pinus contorta	1	36	36	I
NE 5	Ailanthus altissima	1	36	36	I
NE 5	Cedrus atlantica	1	36	36	I M
N-1	Aesculus hippocastanum	1	34	34	M
S-1	Aesculus hippocastanum	1	32	32	M
SE-3	Robinia pseudoacacia	1	30	30	I
SE-4	Pinus strobus	1	26	26	I
N-1	Aesculus hippocastanum	1	25	25	M
N-1	Aesculus hippocastanum	1	25	25	M
N-1	Aesculus hippocastanum	1	25	25	M
NW-1	Cedrus deodara	1	24	24	M
NE 7	Pinus nigra ?	1	24	24	I M
NE 7	Pinus nigra ?	1	24	24	I
SW-10	Chamaecyparis pisifera	5	22 - 28	25	I
N-1	Aesculus hippocastanum	1	21	21	M
NE 7	Picea abies	2	18-26	22	I
NW-1	Pinus	1	15	15	I
NE 5	Acer japonicum?	1	4, 5		I
NE 7	Prunus sp.	1	2	2	M
NW-5	Unknown deciduous	1	large		I
NW-10	Gymnocladus dioicus	1	?		M
SW-5	Acer platanoides	1	?		I
			Average DBH	**25.9**	**inches**

TOTAL - Diagnose:

Trees	**31**
I (inspect - canopy, trunk, roots, soil)	**21**
M (monitor - disease, decline, damage)	**14**

Volunteer Park Treework
Recommended 2004

Trees to Evaluate for Potential Removal				
Area	**Species**	**#Trees**	**DBH**	**Remove**
NE 5	Quercus palustris	1	36.0	D
NE 5	Cedrus atlantica	1	36.0	D
	Cedrus atlantica glauca	1	28.0	D
SE-1	Chamaecyparis pisifera	1	18.0	D
NE 6	Prunus serrulata	1	14.0	D
SW-5	Betula	1	14.0	D
SE-4	Chamaecyparis pisifera	3	12.0	D
SE-4	Pinus sp.	1	12.0	D
SE-1	Chamaecyparis pisifera	1	10.0	D
SE-1	Pinus sylvestris	2	10.0	D
SE-3	Thuja plicata 'Zebrinus'	1	9	D
SW-2	Picea abies	3	8.0	D
S-2	Salix matsudana 'Tortuosa'	1	7.0	D
NE 5	Acer japonicum?	1	4, 5	D
SW-7	Conifer	1	?	D
SE-3	Robinia pseudoacacia	1	32.0	D H
NW-11	Robinia pseudoacacia	1	28.0	D H
SE-4	Pinus monticola	1	26	D H
S-2	Larix decidua	1	6.0	D O
S-2	Picea abies	1	24.0	D P
SW-1	Picea abies	1	24.0	D P
SW-1	Tsuga canadensis	1	24.0	D P
NE 7	Picea abies	2	18-26	D P
NE 3	Picea sp.	1	13.0	D P
SE-2	Crataegus sp.	1	12.0	D P
SE-2	Pinus sp.	1	12.0	D P
NW-4	Robinia pseudoacacia	1	28.0	D P H
SE-4	Chamaecyparis pisifera	1	24.0	D P H
SE-4	Chamaecyparis pisifera	1	22	D P H
SE-4	Catalpa	1	10.0	D P H
NW-10	Chamaecyparis pisifera	1	?	D P H
NE 6	Malus sp.	1	10.0	D S
SE-1	Pseudotsuga menziesii	1	26	D S
NW-3	Pinus	1	24	D S
NW-3	Pinus	1	24	D S
SW-7	Picea	1	24.0	D S
NW-3	Pinus	1	22	D S
SE-3	Chamaecyparis pisifera	1	22.0	D S
SE-2	Betula sp.	1	20.0	D S
SW-2	Tsuga canadensis	1	20.0	D S
SW-2	Picea abies	4	16-20	D S
SW-8	Picea abies	5	12-24	D S
SW-2	Picea abies	1	18.0	D S
SW-2	Tsuga canadensis	1	18.0	D S
SW-7	Picea	1	18.0	D S
NW-1	Thuja plicata	1	16.0	D S
SW-2	Picea abies	1	16.0	D S
SW-2	Abies procera	2	16.0	D S
	Thuja plicata	1	14.0	D S
NW-3	Chamaecyparis pisifera	1	14.0	D S
SE-2	Picea sp.	1	14.0	D S
SW-2	Thuja plicata	1	14.0	D S
NW-1	Crataegus	1	13.0	D S

Volunteer Park Treework
Recommended 2004

Trees to Evaluate for Potential Removal				
Area	**Species**	**#Trees**	**DBH**	**Remove**
NE 4	Aesculus hippocastanum	1	12.0	D S
NW-1	Thuja plicata	1	12.0	D S
	Picea	1	12.0	D S
	Chamaecyparis pisifera	1	12.0	D S
SE-3	Pinus sylvestris	1	12	D S
S-2	Picea abies	5	6-12	D S
NW-9	Betula	1	9.0	D S
SE-3	Chamaecyparis pisifera	1	9.0	D S
NW-1	Pinus	4	5-11	D S
	Picea	1	8.0	D S
SW-8	Picea abies	1	8.0	D S
SW-10	Robinia pseudoacacia	1	8.0	D S
NW-1	Chamaecyparis pisifera	1	6.0	D S
SE-2	Picea sp.	1	6.0	D S
NW-1	Prunus	1	?	D S
SE-2	Betula sp.	1	?	D S
SE-2	Picea sp.	1	?	D S
SW-4	Betula	1	16.0	D S
NW-10	Chamaecyparis pisifera	1	13.0	D S
NW-10	Chamaecyparis pisifera	1	12.0	D S
SW-10	Robinia pseudoacacia	1	12.0	D S H
SE-4	Pinus sp.	1	10.0	D S H
NW-8	Chamaecyparis pisifera	7	8-9	D S H
NE 2	Tsuga canadensis	1	5.0	D S O
SW-10	Picea	1	22.0	D S P
NW-8	Chamaecyparis pisifera	1	18.0	D S P
NW-5	Pinus	1	10	D S P
NW-1	Chamaecyparis pisifera	2	9.0	D S P
NW-1	Chamaecyparis pisifera	1	4.0	D S P
SW-1	Picea abies	4	12 to 18	D S P
SW-1	Tsuga canadensis	2	8.0	D S P
NW-1	Cornus nuttalli	1	20.0	D S P H
NW-1	Cornus nuttalli	1	18.0	D S P H
SE-4	Cryptomeria japonica	1	18.0	D S P H
NW-1	Cornus nuttalli	1	16.0	D S P H
NW-3	Chamaecyparis pisifera	1	12.0	D S P H
S-2	Betula pendula	1	9.0	H
SE-4	Pinus sp.	1	18	H
NE 2	Picea abies?	1	10.0	H
SW-5	Acer platanoides	1	?	H
SW-7	Cryptomeria	1	?	H
S-2	Abies concolor	1	16.0	H O
S-2	Larix decidua	1	8.0	H O
SW-8	Ilex aquifolium	1	12.0	O
NW-5	Quercus palustris	1	9.0	O
SW-7	Crataegus	9	6-10	O
SE-1	Ilex aquifolium	40	4-12	O
NE 8	Ilex aquifolium	6	5-9	O
SW-7	Robinia pseudoacacia	25	4-9	O
SW-10	Ilex aquifolium	?	3-10	O
SW-8	Ilex aquifolium	1	6.0	O
	Robinia pseudoacacia	1	4.0	O
SW-4	Prunus lusitanica	3	4.0	O

Volunteer Park Treework
Recommended 2004

Trees to Evaluate for Potential Removal				
Area	**Species**	**#Trees**	**DBH**	**Remove**
NE 2	Ilex aquifolium	1	2-3	O
SW-10	Robinia pseudoacacia	1	2.0	O
NW-5	Prunus emarginata	36	1-2	O
NE 7	Prunus sp.	1	?	O
SE-3	Pinus sp.	1	28.0	P
SE-3	Catalpa sp.	1	22.0	P
NW-9	Chamaecyparis pisifera	1	18.0	P
NW-3	Chamaecyparis pisifera	1	16.0	P
S-2	Picea abies	1	16.0	P
NW-1	Thuja plicata	1	12.0	P
NW-1	Chamaecyparis pisifera	1	?	P
S-1	Aesculus hippocastanum	1	39.0	P H
NW-3	Pinus	1	24	S
NW-3	Pinus	1	24	S
NW-1	Pinus	1	22	S
NW-1	CedruD Seodara	1	22.0	S
NE 8	Prunus lusitanica	1	20.0	S
SW-4	Betula pendula	1	20.0	S
NW-3	Acer	1	18.0	S
NW-9	Picea abies	1	16.0	S
NW-10	Chamaecyparis pisifera	1	16.0	S
NW-10	Chamaecyparis pisifera	1	14.0	S
NW-3	Crataegus	1	13.0	S
NW-10	Cryptomeria japonica	1	13.0	S
NW-10	Chamaecyparis pisifera	1	13.0	S
NE 2	Aesculus hippocastanum	1	12.0	S
NW-1	Cryptomeria	1	12	S
NW-1	Thuja plicata	1	12.0	S
NW-9	Picea abies	1	12.0	S
NE 2	Prunus serr.	1	10.0	S
S-2	Pinus	1	10.0	S
SE-2	Picea sp.	1	10.0	S
NE 2	Prunus sp.	1	8.0	S
NW-9	Picea abies	1	8.0	S
NE 2	Acer macrophyllum	1	5-10	S
NE 2	Ilex aquifolium	1	7.0	S
NE 3	Thuja plicata	1	6.0	S
NE 5	Prunus sp.	1	6.0	S
NE 7	Fraxinus oregona	1	6.0	S
SW-10	Crataegus	4	6.0	S
NE 2	Ilex aquifolium	1	3-6	S
NE 1	Chamaecyparis pisifera filifera	1	4.0	S
NE 6	Ulmus sp.	1	4.0	S
S-2	Pinus	1	4.0	S
NE 2	Prunus serr.	1	2.0	S
NE 7	Prunus sp.	1	2.0	S
NE 2	Laburnum anagyroides	1	1-2	S
NW-1	Chamaecyparis pisifera	1	?	S
	Sequoiadendron sempervirens	?	?	S
SW-5	Betula	1	?	S
SW-8	Picea abies	5	9-14	S H
SW-4	Ilex aquifolium	1	22.0	S O
	Ilex aquifolium	1	14	S O

Volunteer Park Treework
Recommended 2004

Trees to Evaluate for Potential Removal

Area	Species	#Trees	DBH	Remove
	Ilex aquifolium	1	13	S O
NW-2	Ilex aquifolium	1	12	S O
SW-4	Ilex aquifolium	3	12.0	S O
SE-3	Ilex aquifolium	1	10	S O
SW-4	Ilex aquifolium	2	10.0	S O
NE 6	Larix decidua	1	9.0	S O
NE 6	Picea sp.	1	8.0	S O
NW-3	Ilex aquifolium	2	8.0	S O
SE-1	Ilex aquifolium	5	8.0	S O
SE-2	Ilex aquifolium	4	8.0	S O
SE-3	Ilex aquifolium	3	8.0	S O
SW-4	Ilex aquifolium	3	8.0	S O
SW-4	Ilex aquifolium	3	7.0	S O
NE 2	Tsuga canadensis	1	6.0	S O
NE 2	Prunus sp.	1	6.0	S O
NW-3	Ilex aquifolium	2	6.0	S O
SE-3	Ilex aquifolium	1	6	S O
SE-3	Ilex aquifolium	1	6	S O
SE-3	Ilex aquifolium	1	6	S O
SW-4	Ilex aquifolium	2	6	S O
NE 7	Ilex aquifolium	5	4-7	S O
SE-2	Ilex aquifolium	68	4-6	S O
NE 3	Thuja plicata	1	5.0	S O
NE 3	Thuja plicata	1	5.0	S O
NE 6	Prunus emarginata	15	2-4	S O
NE 6	Larix decidua	1	3.0	S O
NE 4	Ilex aquifolium	20	?	S O
SE-2	Ilex aquifolium	4	?	S O
NW-3	Fraxinus	1	16	S P
NW-8	Picea abies	3	12	S P
SW-6	Picea abies	5	8-10	S P
NE 7	Picea pungens glauca	1	3.0	S P
NE 6	Pinus sp.	1	18.0	S P H

Average diameter 9.0 inches

Trees to Remove	**# trees**	**% trees**
>24" dbh	**10**	**2.1%**
12-24" dbh	**102**	**21.5%**
<12" dbh	**327**	**69.0%**
not recorded	**35**	**7.4%**
TOTAL	**474**	**100.0%**

Reason	**# trees**	**% trees**
D Decline / Dead	**121**	**25.5%**
S Suppressed/Crowded	**296**	**62.4%**
P Pest/Disease	**49**	**10.3%**
H Hazard	**36**	**7.6%**
O Other (poor structure, form, species, self-sown, invasive)	**285**	**60.1%**

Volunteer Park Treework
Recommended 2004

Trees Needing Work (Prune, Cable, Ivy off, Rootzone)

Area	Species	#Trees	DBH	Treework
S-1	Aesculus hippocastanum	1	58	C
NE 5	Acer platanoides	1	48	O
S-1	Aesculus hippocastanum	1	39	O
SE-2	Platanus acerifolia	1	36	D H
NW-9	Acer macrophyllum	1	36	D O
NE 8	Thuja plicata	1	36	O
S-1	Aesculus hippocastanum	1	33	S D C O
SE-1	Pseudotsuga menziesii	1	32	D
S-1	Aesculus hippocastanum	1	30	D C O
NE 4	Thuja plicata	1	30	O
SE-1	Quercus sp.	1	28	D H
SW-6	Populus nigra 'Thevestina'	3	18-36	O
S-2	Picea abies	1	24	O
NW-4	Thuja plicata	3	24	D
NW-11	Cedrus deodara	3	24	D
NW-7	Fagus sylvatica	1	24	D H
NE 7	Aesculus hippocastanum	1	24	O
NE 8	Thuja plicata	1	12-36	O
NE 6	Prunus sp.	1	24	S D
NE 7	Picea abies	3	18-26	D
NE 6	Pinus sylvetris?	1	20	O
SW-2	Picea abies	9	16-20	D O
S-2	Abies sp.	2	16	D
S-2	Pinus	1	16	D O
S-2	Pinus	1	16	D O
SW-2	Prunus subhirtella 'Pendula'	6	12-20	S D
S-2	Abies concolor	1	15	D
S-2	Betula pendula	1	15	D
NE 1	Chamaecyparis pisifera	1	15	S
S-2	Betula pendula	1	14	D
NW-1	Pinus	1	14	H
SW-3	Prunus	4	8-20	S D
SW-3	Crataegus	2	8-20	S D
S-2	Betula pendula	1	13	D
NE 6	Prunus sp.	1	13	S D
NE 7	Prunus serrulata	1	10, 14	C
NE 6	Sequoia sempervirens	1	12	O
NE 3	Larix decidua	4	12	S
NE 3	Larix decidua	1	12	S D
NE 7	Chamaecyparis pisifera	1	9,14	O
NE 5	Crataegus monogyna	2	14, 7	S D
S-2	Pinus aristata	1	10	D
S-2	Betula pendula	1	10	S
NE 6	Pinus sp.	1	9	D
NE 7	Picea sp.	1	9	D O
NE 7	Davidia involucrata	1	1-9	S
NE 1	Cornus florida	1	3-5	S O
NE 7	Pinus nigra ?	1	24	D
NW-10	Gymnocladus dioicus	1	?	D
S-2	Pinus sylvestris	1	?	D
NW-10	Chamaecyparis lawsoniana	1	?	O
NW-10	Thuja plicata	1	?	O
NW-10	Thuja plicata	1	?	O
NW-10	Evodia	1	?	S D
		Average DBH	**19.6**	**inches**

TOTAL - Treework:

Trees	**84**
S (prune - structure)	**27**
D (prune - deadwood)	**55**
C (cable)	**4**
H (prune - hazard)	**4**
O (other - root prune, raise crown, thin canopy, ivy off, lifted pavement, etc.)	**30**

Volunteer Park Treework
Recommended 2004

Trees to Diagnose (Inspect, Monitor)					
Area	**Species**	**#Trees**	**DBH**	**Avg**	**Diagnose**
NE 5	Acer platanoides	1	48	48	I M
NE 4	Quercus rubra	1	42	42	I M
S-1	Aesculus hippocastanum	1	39	39	I
N-1	Aesculus hippocastanum	1	37	37	M
NE 6	Pinus contorta	1	36	36	I
NE 5	Ailanthus altissima	1	36	36	I
NE 5	Cedrus atlantica	1	36	36	I M
N-1	Aesculus hippocastanum	1	34	34	M
S-1	Aesculus hippocastanum	1	32	32	M
SE-3	Robinia pseudoacacia	1	30	30	I
SE-4	Pinus strobus	1	26	26	I
N-1	Aesculus hippocastanum	1	25	25	M
N-1	Aesculus hippocastanum	1	25	25	M
N-1	Aesculus hippocastanum	1	25	25	M
NW-1	Cedrus deodara	1	24	24	M
NE 7	Pinus nigra ?	1	24	24	I M
NE 7	Pinus nigra ?	1	24	24	I
SW-10	Chamaecyparis pisifera	5	22 - 28	25	I
N-1	Aesculus hippocastanum	1	21	21	M
NE 7	Picea abies	2	18-26	22	I
NW-1	Pinus	1	15	15	I
NE 5	Acer japonicum?	1	4, 5		I
NE 7	Prunus sp.	1	2	2	M
NW-5	Unknown deciduous	1	large		I
NW-10	Gymnocladus dioicus	1	?		M
SW-5	Acer platanoides	1	?		I
			Average DBH	**25.9**	**inches**

TOTAL - Diagnose:

Trees	**31**
I (inspect - canopy, trunk, roots, soil)	**21**
M (monitor - disease, decline, damage)	**14**

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
N-1	Aesculus hippocastanum	1	21			M	2000 inventory: SB 1
N-1	Aesculus hippocastanum	1	25			M	2000 inventory: SB 2
N-1	Aesculus hippocastanum	1	25			M	2000 inventory: SB 5
N-1	Aesculus hippocastanum	1	37			M	2000 inventory: SB 6
N-1	Aesculus hippocastanum	1	34			M	2000 inventory: SB 11
N-1	Aesculus hippocastanum	1	25			M	2000 inventory: SB 14
N-1	**SUBTOTAL**	**6**		**0**	**0**	**6**	
NE 1	Cornus florida	1	3-5		S O		3 stems; remove basal suckers, ivy
NE 1	Chamaecyparis pisifera	1	15		S		Low fork, suppressed leader
NE 1	Chamaecyparis pisifera filifer	1	4	S			lean, bad leader
NE 1	**SUBTOTAL**	**3**		**1**	**2**	**0**	
NE 2	Ilex aquifolium	1	3-6	S			4 stems, volunteer under large beech
NE 2	Laburnum anagyroides	1	1-2	S			Volunteer, shrubby - 6 stems
NE 2	Ilex aquifolium	1	2-3	O			2 stems, invasive species, self-sown under beech, leans
NE 2	Acer macrophyllum	1	5-10	S			6 stems
NE 2	Prunus sp.	1	8	S			
NE 2	Picea abies?	1	10	H			bad leader, could hit Cemetary
NE 2	Aesculus hippocastanum	1	12	S			
NE 2	Ilex aquifolium	1	7	S			
NE 2	Prunus serr.	1	10	S			lean over Cemetary, and onto pine trunk adj.
NE 2	Prunus serr.	1	2	S			volunteer
NE 2	Tsuga canadensis	1	5	D S O			lean over Cemetary, and onto pine trunk adj.
NE 2	Tsuga canadensis	1	6	S O			bad leader
NE 2	Prunus sp.	1	6	S O			bent leader
NE 2	**SUBTOTAL**	**13**		**13**	**0**	**0**	
NE 3	Thuja plicata	1	5	S O			stem defects
NE 3	Thuja plicata	1	5	S O			very bent leader
NE 3	Thuja plicata	1	6	S			top 2/3 is dead
NE 3	Larix decidua	1	12		S D		End ? wt. red @ breakout leaders
NE 3	Larix decidua	4	12		S		bent leaders
NE 3	Picea sp.	1	13	D P			live needles only on the top 1/3
NE 3	**SUBTOTAL**	**9**		**4**	**5**	**0**	
NE 4	Ilex aquifolium	20?		S O			Group @ Y; invasive, dark - replace with ornamental trees
NE 4	Thuja plicata	1	30?		O		Raise & thin branches for visibility
NE 4	Aesculus hippocastanum	1	12	D S			Just south of Western red cedars
NE 4	Quercus rubra	1	42			I M	Monitor. Lean
NE 4	**SUBTOTAL**	**3**		**21**	**1**	**1**	
NE 5	Acer japonicum?	1	4, 5	D		I	Dying or dead (rare species) - 2 stems
NE 5	Ailanthus altissima	1	36			I	Mult. Large limb failure, ? Decay
NE 5	Quercus palustris	1	36	D			Retain - monitor, prune as required: Clise memorial
NE 5	Prunus sp.	1	6	S			Volunteer, east of dahlias
NE 5	Cedrus atlantica	1	36	D		I M	Monitor. History of limb failure
NE 5	Acer platanoides	1	48		O	I M	Monitor. Rem holly on crotch. Cavity ? Decay. AJL list
NE 5	Crataegus monogyna	2	14, 7		S D		
NE 5	**SUBTOTAL**	**9**		**5**	**3**	**5**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
NE 6	Larix decidua	1	9	S O			Severe leader damage
NE 6	Picea sp.	1	8	S O			Bad leader
NE 6	Ulmus sp.	1	4	S			Vol. Bent leader
NE 6	Pinus sylvetris?	1	20		O		Remove ivy up tree
NE 6	Pinus sylvetris?	1	14				
NE 6	Sequoia sempervirens	1	12		O		Remove ivy up tree
NE 6	Pinus sp.	1	9		D		
NE 6	Pinus contorta	1	36			I	scar
NE 6	Malus sp.	1	10	S, D			Low branch
NE 6	Prunus sp.	1	13		S D		
NE 6	Prunus sp.	1	24		S D		Low branch. End w(eak?)
NE 6	Prunus emarginata	15	2-4	S O			weak, short lived.
NE 6	Larix decidua	1	3	S O			Lean
NE 6	Pinus sp.	1	18	S P H			Conks, fork, trunk crack
NE 6	Prunus serrulata	1	14	D			Dead
NE 6	**SUBTOTAL**	**29**		**7**	**5**	**1**	
NE 7	Picea sp.	1	9		D O		Remove ivy (up trunk 20 ft.)
NE 7	Prunus serrulata	1	10, 14		C		2 stems
NE 7	Fraxinus oregona	1	6	S			
NE 7	Prunus sp.	1	2	S		M	
NE 7	Aesculus hippocastanum	1	24		O		Remove low branches
NE 7	Pinus nigra ?	1	24	C		I	Tight fork @ 25'
NE 7	Pinus nigra ?	1	24		D	I M	Lean
NE 7	Picea abies	2	18-26	D P		I	Worst in group of 5 spruces with excessive sap flow from bark beetles or fungal disease; test area for pathogenic fungi & treat accordingly.
NE 7	Picea abies	3	18-26		D		Prune remaining spruces.
NE 7	Chamaecyparis pisifera	1	9,14		O		Multistemmed; prune low branch
NE 7	Picea pungens glauca	1	3	S P			Site too shady; key location
NE 7	Davidia involucrata	1	1-9	C	S		6 stems
NE 7	Ilex aquifolium	5	4-7	S O			Invasive species, crowding other trees
NE 7	Prunus sp.	1		O			Self-sown tree, W edge; crowding specimen trees
NE 7	**SUBTOTAL**	**21**		**13**	**9**	**4**	
NE 8	Thuja plicata	1	36		O		Remove low branches
NE 8	Thuja plicata	1	12-36		O		Remove low branches; multi-stemmed
NE 8	Prunus lusitanica	1	20	S			directly under Heritage Beech
NE 8	Ilex aquifolium	6	5-9	O			Invasive species, poor selection - self-sown? Replace with large deciduous specimen nearby
NE 8	**SUBTOTAL**	**9**		**7**	**2**	**0**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
NW-1	Pinus	1	14		H		Hanger
NW-1	Pinus	1	15			I	Resistograph test: sap oozing, core rot evident
NW-1	Pinus	1	22	S			Weak crown, sparse foliage
NW-1	Pinus	4	5-11	D S			Remove suppressed trees in mixed pine grove by reservoir
NW-1	Cryptomeria	1	12	S			
NW-1	Crataegus	1	13	D S			Weak crown, severe lean
NW-1	Thuja plicata	1	12	D S			Sparse foliage, weak crown
NW-1	Thuja plicata	1	12	S			
NW-1	Thuja plicata	1	12	P			
NW-1	Thuja plicata	1	16	D S			Forked crown, ivy up 26 ft; tree is dying rapidly.
NW-1	Chamaecyparis pisifera	1	4	D S P			
NW-1	Chamaecyparis pisifera	2	9	D S P			Crown broken out
NW-1	Chamaecyparis pisifera	1	6	D S			
NW-1	Chamaecyparis pisifera	1	?	S			
NW-1	Chamaecyparis pisifera	1	?	P			Rot pocket in base; crown broken out.
NW-1	Cornus nuttalli	1	16	D S P H			Hazard rating 8; dying, center rot
NW-1	Cornus nuttalli	1	18	D S P H			
NW-1	Cornus nuttalli	1	20	D S P H			
NW-1	Prunus	1	?	D S			
NW-1	Cedrus deodara	1	22	S			Remove smaller, suppressed tree in group of 3.
NW-1	Cedrus deodara	1	24			M	Monitor north tree in group of 3.
NW-1	**SUBTOTAL**	**25**		**22**	**1**	**2**	
NW-2	Ilex aquifolium	1	12	S O			Invasive species, crowds other trees.
NW-2	Ilex aquifolium	1	13	S O			Invasive species, crowds other trees.
NW-2	Ilex aquifolium	1	14	S O			Invasive species, crowds other trees.
NW-2	Picea	1	8	D S			In severe decline; located south of stage by light (one of two).
NW-2	Picea	1	12	D S			In severe decline; located south of stage by light (one of two).
NW-2	Chamaecyparis pisifera	1	12	D S			SW of stage
NW-2	Robinia pseudoacacia	1	4	O			Invasive species; small volunteer, remove now.
NW-2	Sequoiadendron sempervirer	?	?	S			Consider removing smallest trees in grove to give larger ones room to fully develop.
NW-2	Cedrus atlantica glauca	1	28	D			Rotary Memorial tree in rapid decline (25-35% foliage remaining); recommend soil sample to diagnose suspected phytophthora, If warranted, followup injection of fungicide, mycorrhizae & fertilizer; replacement species will depend on presence of disease.
NW-2	Thuja plicata	1	14	D S			Drought stressed.
NW-2	**SUBTOTAL**	**9**		**9**	**0**	**0**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
NW-3	Pinus	1	24	D S			Large wound on west side 1-3' up
NW-3	Pinus	1	24	D S			
NW-3	Pinus	1	22	D S			
NW-3	Pinus	1	24	S			
NW-3	Pinus	1	24	S			
NW-3	Fraxinus	1	16	S P			Open wound on west side 2.5 - 5' up; carpenter ant infestation
NW-3	Crataegus	1	13	S			2 stems
NW-3	Chamaecyparis pisifera	1	12	D S P H			Center rot, carpenter ant infestation; tree leans west, has open wound.
NW-3	Chamaecyparis pisifera	1	14	D S			
NW-3	Chamaecyparis pisifera	1	16	P			Next to large yew
NW-3	Acer	1	18	S			
NW-3	Ilex aquifolium	2	6	S O			Invasive species; removal would open area & provide light
NW-3	Ilex aquifolium	2	8	S O			Invasive species; removal would open area & provide light
NW-3	**SUBTOTAL**	**15**		**15**	**0**	**0**	
NW-4	Thuja plicata	3	24		D		All trees are in good health but have large dead limbs in canopy - prune for safety.
NW-4	Robinia pseudoacacia	1	28	D P H			Possible base rot, near 2 large W. Red Cedars
NW-4	**SUBTOTAL**	**4**		**1**	**3**	**0**	
NW-5	Unknown deciduous	1	large			I	East corner of upper court, next to a yew and a cedar: trunk is forked @ 2', eastern fork agan @ 8'; large east fork was removed years ago. Tree has advanced carpenter ant infestation, possible root rot, sap oozing from old wound. Recommend performing miutiple resistograph tests to determine structural integrity of trunk.
NW-5	Pinus	1	10	D S P			
NW-5	Quercus palustris	1	9	O			Tree has poor basal structure: 5 stems; remove also for sun penetration, reduced court maintenance.
NW-5	Prunus emarginata	36	1-2	O			Cluster of small volunteers; consider removal for sun penetration and reduced maintenance of the courts.
NW-5	**SUBTOTAL**	**39**		**38**	**0**	**1**	
NW-6	**SUBTOTAL**	**0**		**0**	**0**	**0**	**No current treework identified**
NW-7	Fagus sylvatica	1	24		D H		Hangers
NW-7	**SUBTOTAL**	**1**		**0**	**1**	**0**	
NW-8	Chamaecyparis pisifera	1	18	D S P			Already ID as hazard; 2 stems
NW-8	Picea abies	3	12	S P			Smallest / weakest in grove of 8 overcrowded spruces; thin for health of better trees.
NW-8	Chamaecyparis pisifera	7	8-9	D S H			Row of Sawara cypress trees parallel to road, near largest Redwood, south side - all identified as hazards. One forked at 9 ft & structurally weak; others have center rot, base rot, poor structure with cracks below forked trunks. Remove and replace for safety - could do gradually because size & location not extreme.
NW-8	**SUBTOTAL**	**11**		**11**	**0**	**0**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
NW-9	Chamaecyparis pisifera	1	18	P			Carpenter ants and core rot
NW-9	Picea abies	1	12	S			
NW-9	Picea abies	1	8	S			
NW-9	Picea abies	1	16	S			
NW-9	Acer macrophyllum	1	36		D O		Hanger
NW-9	Betula	1	9	D S			
NW-9	**SUBTOTAL**	**6**		**5**	**1**	**0**	
NW-10	Cryptomeria japonica	1	13	S			Competes with rare Evodia tree
NW-10	Gymnocladus dioicus	1	?		D	M	Early center rot
NW-10	Evodia	1	?		S D		Leans south into canopy of Lawson Cypress; reduce endweight
NW-10	Chamaecyparis lawsoniana	1	?		O		Raise crown for visibility beneath tree
NW-10	Thuja plicata	1	?		O		Raise crown for visibility beneath tree
NW-10	Thuja plicata	1	?		O		Raise crown for visibility beneath tree
NW-10	Chamaecyparis pisifera	1	?	D P H			Center rot, fork @ 16' with included bark extending down 4': remove for safety
NW-10	Chamaecyparis pisifera	1	13	S			In cluster next to the large Portuguese Laurel--consider removal to benefit adjacent trees.
NW-10	Chamaecyparis pisifera	1	12	S D			In cluster next to the large Portuguese Laurel--consider removal to benefit adjacent trees.
NW-10	Chamaecyparis pisifera	1	13	S D			Line of 3 Sawara cypress in decline; consider removing to give room to large Kentucky coffee tree.
NW-10	Chamaecyparis pisifera	1	14	S			Line of 3 Sawara cypress in decline; consider removing to give room to large Kentucky coffee tree.
NW-10	Chamaecyparis pisifera	1	16	S			Line of 3 Sawara cypress in decline; consider removing to give room to large Kentucky coffee tree.
NW-10	**SUBTOTAL**	**12**		**7**	**5**	**1**	
NW-11	Robinia pseudoacacia	1	28	D H			Center rot, possible base rot; located near 2 large Western red cedars.
NW-11	Cedrus deodara	3	24		D		Trees are in good health but would benefit from removal of deadwood.
NW-11	**SUBTOTAL**	**4**		**1**	**3**	**0**	
S-1	Aesculus hippocastanum	1	32			M	SB 19 - Monitor for deadwood, lean
S-1	Aesculus hippocastanum	1	30		D C O		SB 20 - cabling recommended, repair lifted pavement
S-1	Aesculus hippocastanum	1	33		S D C O		SB 21 - cabling recommended, repair lifted pavement
S-1	Aesculus hippocastanum	1	58		C		SB 22 - cabling recommended
S-1	Aesculus hippocastanum	1	39	P H?	O	I	SB 23 - Identified as hazard, repeat resistograph; repair lifted pavement
S-1	**SUBTOTAL**	**5**		**1**	**4**	**2**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
S-2	Picea abies	1	24	D P	O		Advanced woodpecker activity, possible Fomes disease, sapsuckers; repair heaved sidewalk
S-2	Picea abies	1	16	P			Advanced woodpecker activity, possible Fomes disease, sapsuckers
S-2	Picea abies	5	6-12	D S			Remove 5 in group of 9 crowded, stressed spruces, east side of tower.
S-2	Abies concolor	1	16	H O			Hazard rating 8; poor structure - assymetrical; habitat potential?
S-2	Abies sp.	2	16		D		
S-2	Abies concolor	1	15		D		
S-2	Pinus aristata	1	10		D		Identified Outstanding Tree 109
S-2	Salix matsudana 'Tortuosa'	1	7	D			North side
S-2	Pinus sylvestris	1	?		D		
S-2	Pinus	1	10	S			
S-2	Pinus	1	4	S			
S-2	Pinus	1	16		D O		Window prune for water tower view
S-2	Pinus	1	16		D O		Window prune for water tower view
S-2	Larix decidua	1	8	H O			Near south entry, poor form, stressed, Hazard rating 7
S-2	Larix decidua	1	6	D O			Near south entry, poor form, stressed
S-2	Betula pendula	1	9	H?			Rot pocket
S-2	Betula pendula	1	14		D		
S-2	Betula pendula	1	13		D		
S-2	Betula pendula	1	15		D		
S-2	Betula pendula	1	10		S		
S-2	**SUBTOTAL**	**25**		**14**	**12**	**0**	
SE-1	Chamaecyparis pisifera	1	10	D			Near SE corner of SAAM
SE-1	Chamaecyparis pisifera	1	18	D			Near SE corner of SAAM
SE-1	Pinus sylvestris	2	10	D			Consider removing to allow room for other trees; located near large Blue Atlas cedar @ SW corner of SAAM
SE-1	Pseudotsuga menziesii	1	26	D S			Leans north, epicormic growth; consider removing to allow room for other trees in area
SE-1	Pseudotsuga menziesii	1	32		D		
SE-1	Quercus sp.	1	28		D H		Large hanger
SE-1	Ilex aquifolium	5	8	S O			Invasive species, interfering with oak
SE-1	Ilex aquifolium	40	4-12	O			Invasive species; remove to provide better visibility
SE-1	**SUBTOTAL**	**52**		**50**	**2**	**0**	
SE-2	Platanus acerifolia	1	36		D H		Hangers
SE-2	Crataegus sp.	1	12	D P			
SE-2	Pinus sp.	1	12	D P			
SE-2	Betula sp.	1	20	D S			
SE-2	Betula sp.	1	?	D S			
SE-2	Picea sp.	1	?	D S			Sap oozing from trunk
SE-2	Picea sp.	1	10	S			
SE-2	Picea sp.	1	6	D S			Remove to provide more room for large, healthy pine
SE-2	Picea sp.	1	14	D S			Across from Capitol Hill Apts.
SE-2	Ilex aquifolium	68	4-6	S O			Invasive species, remove to allow more room for other trees
SE-2	Ilex aquifolium	4	8	S O			Invasive species, interfering with specimen trees
SE-2	Ilex aquifolium	4	?	S O			Invasive species; remove to provide better visibility
SE-2	**SUBTOTAL**	**85**		**84**	**1**	**0**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
SE-3	Robinia pseudoacacia	1	30			I	Resistograph: possible center rot. Near street across from 1116 - 15th Ave E
SE-3	Robinia pseudoacacia	1	32	D H			Identified as hazardous; across from 1116 - 15th Ave E.
SE-3	Pinus sp.	1	28	P			Center rot
SE-3	Chamaecyparis pisifera	1	22	D S			
SE-3	Thuja plicata 'Zebrinus'	1	9	D			
SE-3	Pinus sylvestris	1	12	D S			
SE-3	Catalpa sp.	1	22	P			Identified as hazardous; center rot, possible base rot
SE-3	Chamaecyparis pisifera	1	9	D S			
SE-3	Ilex aquifolium	1	6	S O			Invasive species; under group of 3 large spruce trees next to paved walk
SE-3	Ilex aquifolium	1	6	S O			Invasive species; remove to make room for other trees.
SE-3	Ilex aquifolium	1	10	S O			Invasive species; remove to make room for other trees.
SE-3	Ilex aquifolium	3	8	S O			Invasive species; remove to make room for other trees.
SE-3	Ilex aquifolium	1	6	S O			Invasive species; remove to make room for other trees.
SE-3	**SUBTOTAL**	**15**		**14**	**0**	**1**	
SE-4	Cryptomeria japonica	1	18	D S P H			Rot column from broken crown
SE-4	Catalpa	1	10	D P H			Tree leans over, roots exposed. Next to Redwoods
SE-4	Chamaecyparis pisifera	3	12	D			
SE-4	Chamaecyparis pisifera	1	24	D P H			Carpenter ants, base & center rot, across from 1162 near paved path
SE-4	Chamaecyparis pisifera	1	22	D P H			Center rot, possible base rot
SE-4	Pinus monticola	1	26	D H			Identified as hazardous; across from 1142; leans over 15th
SE-4	Pinus sp.	1	12	D			Dead; identified as hazardous
SE-4	Pinus sp.	1	10	D S H			Leans over 15th, across from 1158
SE-4	Pinus sp.	1	18	H			Structurally weak, canopy bowed over 15th, across from 1158.
SE-4	Pinus strobus	1	26			I	Resistograph: sounds hollow, ivy up 12', foliar pests; by path across from E Highland St.
SE-4	**SUBTOTAL**	**10**		**9**	**0**	**1**	
SW-1	Picea abies	1	24	D P			Located west of path, south of pond; heavy spider mite predation on needles
SW-1	Picea abies	4	12 to 18	D S P			In grove: consider removing 75%; foliar pests
SW-1	Tsuga canadensis	1	24	D P			westernmost large (24") hemlock
SW-1	Tsuga canadensis	2	8	D S P			
SW-1	**SUBTOTAL**			**8**	**0**	**0**	
SW-2	Prunus subhirtella 'Pendula'	6	12-20		S D		
SW-2	Thuja plicata	1	14	D S			Crown broken out
SW-2	Picea abies	1	16	D S			
SW-2	Picea abies	1	18	D S			
SW-2	Abies procera	2	16	D S			Extensive spider mites
SW-2	Tsuga canadensis	1	18	D S			Serpentine trunk, forked crown, leans toward reservoir
SW-2	Tsuga canadensis	1	20	D S			Serpentine trunk, forked crown, leans toward reservoir
SW-2	Picea abies	3	8	D			Dead; in grove behind memorial
SW-2	Picea abies	4	16-20	D S			Thin weakest trees in grove behind memorial
SW-2	Picea abies	9	16-20		D O		Remove ivy from trunks; in grove behind memorial
SW-2	**SUBTOTAL**	**29**		**14**	**15**	**0**	
SW-3	Prunus	4	8-20		S D		Low priority treework
SW-3	Crataegus	2	8-20		S D		Low priority treework
SW-3	**SUBTOTAL**	**6**		**0**	**6**	**0**	

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
SW-4	Ilex aquifolium	2	6	S O			Invasive species
SW-4	Ilex aquifolium	3	7	S O			Invasive species
SW-4	Ilex aquifolium	3	8	S O			Invasive species
SW-4	Ilex aquifolium	2	10	S O			Invasive species
SW-4	Ilex aquifolium	3	12	S O			Invasive species
SW-4	Ilex aquifolium	1	22	S O			Invasive species
SW-4	Betula	1	16	S D			Dead; leans over street with weak scaffold branch structure, overtopped by horsechestnut
SW-4	Prunus lusitanica	3	4	O			Invasive species, self sown; remove while small
SW-4	Betula pendula	1	20	S			Overtopped by large maple & suppressed
SW-4	**SUBTOTAL**	19		19	0	0	
SW-5	Betula	1	14	D			
SW-5	Betula	1	?	S			Ivy up 14', next to the horsechestnut with the white dot at 11th Avenue E.
SW-5	Acer platanoides	1	?	H		I	Tree is at southwest corner of the property. Consider removing--leans heavily.
SW-5	**SUBTOTAL**	**3**		**3**	**0**	**1**	
SW-6	Picea abies	5	8-10	S P			Trees are in moderate condition but show signs of drought and mite stress. Consider removing 5 of smaller, most severely stressed trees in grove.
SW-6	Populus nigra 'Thevestina'	3	18-36		O		Skirt up as needed for pedestrian view to skyline from reservoir path.
SW-6	**SUBTOTAL**	**8**		**5**	**3**	**0**	
SW-7	Conifer	1	?	D			Dead
SW-7	Picea	1	24	D S			
SW-7	Picea	1	18	D S			
SW-7	Cryptomeria	1	?	H			Forked
SW-7	Crataegus	9	6-10	O			View obstruction
SW-7	Robinia pseudoacacia	25	4-9	O			View obstruction, invasive species
SW-7	**SUBTOTAL**	**38**		**38**	**0**	**0**	
SW-8	Picea abies	5	9-14	S H			In grove of 9 N. spruce: remove middle 5 trees--three w/forked trunks, large one next to reservoir with sap flow on trunk.
SW-8	Picea abies	1	8	D S			In grove of 4 N. spruce, tree is suppressed and leaning northeasterly
SW-8	Picea abies	5	12-24	D S			Grove of 7 N. spruce: all are in decline, 5 should be removed due to
SW-8	Ilex aquifolium	1	6	O			Invasive species
SW-8	Ilex aquifolium	1	12	O			Invasive species
SW-8	**SUBTOTAL**	**13**		**13**	**0**	**0**	
SW-9	**SUBTOTAL**			**0**	**0**	**0**	**No current treework identified**

VOLUNTEER PARK
Inventory of Recommended Treework

Area	Species	#Trees	DBH	Remove	Treework	Diagnose	Notes
SW-10	Ilex aquifolium	?	3-10	O			Invasive species; could retain several trees near-term if neighbors screening is important, or remove to allow more open views.
SW-10	Picea	1	22	D S P			Excessive sap flow, needle loss, mites and possible root rot
SW-10	Chamaecyparis pisifera	5	22 - 28			I	Trees have carpenter ant infestation. Resistograph test for level of solid wood.
SW-10	Robinia pseudoacacia	1	8	D S			Tree leans over house with backyard fountain.
SW-10	Robinia pseudoacacia	1	12	D S H			Leans west: tree is under large oak
SW-10	Robinia pseudoacacia	1	2	O			Invasive species, remove while small
SW-10	Crataegus	4	6	S			Next to yews
SW-10	**SUBTOTAL**	**13**		**8**	**0**	**5**	

Summary of Recommended Treework

Area	#Trees	Remove	Treework	Diagnose	Notes
N-1	**6**	**0**	**0**	**6**	
NE 1	**3**	**1**	**2**	**0**	
NE 2	**13**	**13**	**0**	**0**	
NE 3	**9**	**4**	**5**	**0**	
NE 4	**3**	**21**	**1**	**1**	
NE 5	**9**	**5**	**3**	**5**	
NE 6	**29**	**7**	**5**	**1**	
NE 7	**21**	**13**	**9**	**4**	
NE 8	**9**	**7**	**2**	**0**	
NW-1	**25**	**22**	**1**	**2**	
NW-2	**9**	**9**	**0**	**0**	
NW-3	**15**	**15**	**0**	**0**	
NW-4	**4**	**1**	**3**	**0**	
NW-5	**39**	**38**	**0**	**1**	
NW-6	**0**	**0**	**0**	**0**	**No current treework.**
NW-7	**1**	**0**	**1**	**0**	
NW-8	**11**	**11**	**0**	**0**	
NW-9	**6**	**5**	**1**	**0**	
NW-10	**12**	**7**	**5**	**1**	
NW-11	**4**	**1**	**3**	**0**	
S-1	**5**	**1**	**4**	**2**	
S-2	**25**	**14**	**12**	**0**	
SE-1	**52**	**50**	**2**	**0**	
SE-2	**85**	**84**	**1**	**0**	
SE-3	**15**	**14**	**0**	**1**	
SE-4	**10**	**9**	**0**	**1**	
SW-1	**8**	**8**	**0**	**0**	
SW-2	**29**	**14**	**15**	**0**	
SW-3	**6**	**0**	**6**	**0**	
SW-4	19	**19**	**0**	**0**	
SW-5	**3**	**3**	**0**	**1**	
SW-6	**8**	**5**	**3**	**0**	
SW-7	**38**	**38**	**0**	**0**	
SW-8	**13**	**13**	**0**	**0**	
SW-9	**0**	**0**	**0**	**0**	**No current treework.**
SW-10	**13**	**8**	**0**	**5**	
TOTAL	**557**	**460**	**84**	**31**	

VOLUNTEER PARK
Summary of Recommended Treework

Area	#Trees	Remove	Treework	Diagnose	Notes
N-1	6	0	0	6	
NE 1	3	1	2	0	
NE 2	13	13	0	0	
NE 3	9	4	5	0	
NE 4	3	21	1	1	
NE 5	9	5	3	5	
NE 6	29	7	5	1	
NE 7	21	13	9	4	
NE 8	9	7	2	0	
NW-1	25	22	1	2	
NW-2	9	9	0	0	
NW-3	15	15	0	0	
NW-4	4	1	3	0	
NW-5	39	38	0	1	
NW-6	0	0	0	0	No current treework.
NW-7	1	0	1	0	
NW-8	11	11	0	0	
NW-9	6	5	1	0	
NW-10	12	7	5	1	
NW-11	4	1	3	0	
S-1	5	1	4	2	
S-2	25	14	12	0	
SE-1	52	50	2	0	
SE-2	85	84	1	0	
SE-3	15	14	0	1	
SE-4	10	9	0	1	
SW-1	8	8	0	0	
SW-2	29	14	15	0	
SW-3	6	0	6	0	
SW-4	19	19	0	0	
SW-5	3	3	0	1	
SW-6	8	5	3	0	
SW-7	38	38	0	0	
SW-8	13	13	0	0	
SW-9	0	0	0	0	No current treework.
SW-10	13	8	0	5	
TOTAL	557	460	84	31	

Inventory by Brian Gilles and Eliza Davidson
November 2003 - January 2004