

# **Maple Leaf Acres**

## **Ash Inventory for the Purposes of Managing Emerald Ash Borer (EAB)**

**19th day of September 2016**

The enclosed report is an inventory of Ash (Fraxinus) trees within Maple Leaf Acres for the purpose of managing Emerald Ash Borer (EAB). The inventory is a necessary precursor for injection of infected Ash trees. The inventory was completed from the 29th day of August to the 31st day of August 2016 by Connor Hayes. The report was compiled and presented by Ian Zettle and submitted by Dennis Winger.

**Legend:**

**MIS:** Monitor in Spring

**Definition of Terms:**

**Diameter at Breast Height:** the standard practice of measuring any given tree

**Monitor in Spring:** reassess the tree in the spring to determine if treatment will be effective.

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**\*\*All measurements are in centimetres\*\***

**\*\*If a site is not listed, there are no Ash present\*\***

**\*\*Some Ash may have been removed between inventory and submission\*\***

Table 1

	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	555	1	47	Good	MIS	
	573	1	65	Good	MIS	
	552	1	23	Good	MIS	
	571	3	30, 36, 39	Poor	Remove	
	551	3	30, 12, 22	Good	Remove: 12, 30 MIS: 22	
	550	2	34, 21	Good	MIS	
	569	1	39	Good	MIS	
	568	5	28, 35, 25, 26, 16	Poor	Remove: 28, 35, 25, 26 MIS: 16	
	547	1	22	Poor	Remove	
	566	1	32	Poor	Remove	
	565	1	38	Good	Remove	Ample foliage but infected
	544	1	32	Good	MIS	
	542	2	30, 36	Poor	Remove	
	541	1	30	Poor	Remove	
	561	4	28, 33, 43, 23	Poor	Remove	
	540	3	22, 22, 27	Good	MIS	
	535	1	28	Poor	Remove	
	537	6	32, 27, 27, 42, 38, 37	Poor	Remove: 32, 27, 27, 38 MIS: 42, 37	
	557	1	33	Good	MIS	
	517	4	40, 10, 29, 32	Moderate	Remove: 29, 32 MIS: 10, 40	
	497	7	46, 46, 34, 29, 26, 10, 24	Poor	Remove	
	498	10	28, 20, 22, 22, 26, 32, 37, 22, 32, 18	Moderate	Remove: 28, 20, 22, 26, 32, 37, 22, 32, 18 MIS: 22 (F)	
	499	2	38, 36	Good	MIS	
	521	1	27	Good	MIS	
	502	1	38	Poor	Remove	
	522	1	41	Poor	Remove	
	503	1	36	Good	MIS	
	524	1	41	Poor	Remove	
	504	2	34, 30	Poor	Remove	
	505	1	38	Poor	MIS	Possible infection
	506	1	8	Good	MIS	
	528	5	31, 21, 18, 4, 25	Poor	Remove	

	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	509	2	43, 38	Good	MIS	
	512	2	32, 31	Good	MIS	
	533	5	28, 31, 20, 26, 18	Good	Remove: 31, 20 MIS: 28, 26, 16	Remove Serviceberry for access
	514	2	27, 40	Good	MIS	
	535	7	29, 36, 15, 17, 36, 29, 17	Moderate	Remove: 15, 17 MIS: 29, 36, 36, 29, 17	
	477	2	39, 39	Moderate	Remove	
	481	1	35	Good	MIS	
	482	1	19	Good	MIS	
	463	1	37	Poor	Remove	
	464	1	28, 36	Poor	Remove	Multiple stem
	468	1	31	Good	MIS	
	489	1	38	Moderate	MIS	
	490	3	36, 29, 32	Moderate	Remove: 36 MIS: 29, 32	
	470	1	48	Good	MIS	
	471	2	31, 28	Moderate	Remove: 31 MIS: 28	
	473	1	50	Moderate	MIS	
	493	2	19, 31	Poor	Remove	
	474	1	20	Moderate	MIS	
	475	1	32	Good	MIS	
	456	1	57	Poor	Remove	
	433	3	30, 46, 44	Moderate	Remove: 30, 46 MIS: 44	
	453	1	41	Moderate	MIS	
	452	4	8, 30, 42, 36	Poor	Remove	
	447	3	25, 26, 30	Good	MIS	
	425	4	30, 34, 22, 33	Good	Remove: 22 MIS: 30, 34, 33	
	423	4	49, 22, 30, 11	Moderate	Remove: 11 MIS: 49, 22, 30	
	422	6	38, 41, 18, 16, 23, 28	Moderate	Remove: 18, 16, 23, 28 MIS: 38, 41	
	443	1	46	Poor	Remove	
	421	2	38, 30	Moderate	Remove: 38 MIS: 30	
	441	1	40	Good	MIS	
	420	1	44	Moderate	MIS	
	439	1	41	Good	MIS	
	419	2	42, 48	Good	MIS	

	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	437	5	31, 28, 28, 38, 26	Moderate	MIS	
	417	9	39, 40, 24, 29, 14, 38, 8, 35, 64	Moderate	Remove: 39, 40, 24 MIS: 29, 14, 38, 8, 35, 64	
	400	5	20, 36, 24, 30, 26	Moderate	Remove: 24 MIS: 20, 36, 30, 26	
	401	1	38	Poor	Remove	
	402	3	35, 38, 32	Poor	Remove	
	403	3	20, 33, 34	Moderate	Remove: 34, 20 MIS: 33	
	410	2	31, 33	Moderate	Remove: 31 MIS: 33	
	413	3	30, 36, 38	Good	MIS	
	414	3	38, 36, 40	Moderate	MIS	
	416	1	24	Poor	Remove	
	<b>Pool Area "B"</b>	32	38, 32, 38, 52, 56, 37, 39, 37, 33, 29, 38, 36, 29, 32, 34, 37, 35, 10, 26, 27, 44, 27, 31, 24, 32, 32, 19, 37, 15, 30, 26, 32	Majority: Poor	Remove: 29, 29, 10, 26, 27, 27, 31, 24, 19, 15, 30, 26 MIS: 38, 32, 38, 52, 56, 37, 39, 37, 32, 38, 36, 32, 34, 37, 38, 44, 32, 32, 37, 32	
	218	2	38, 34	Moderate	MIS	
	200	1	52	Moderate	Remove	
	211	1	44	Good	MIS	
	210	4	52, 30, 34, 48	Moderate	Remove: 30, 34, 48 MIS: 52	
	196	1	65 +	Good	MIS	Injection highly recommended
	209	3	60, 46, 37	Good/Moderate	Remove: 46, 37 MIS: 60	
	208	2	46, 31	Good	MIS	
	194	1	43	Moderate	Remove	
	207	4	42, 50, 32, 44	Moderate	Remove: 42 MIS: 50, 32, 44	
	206	1	46	Poor	Remove	
	205	1	37	Moderate	Remove	
	203	5	8, 10, 5, 7, 8	Good	MIS	
	202	4	11, 24, 26, 31	Good	MIS	
	188	1	41	Good	MIS	
	201	1	32	Good	MIS	
	214	1	28	Poor	Remove	
	216	2	32, 34	Poor	Remove: 34 MIS: 32	
	217	1	31	Poor	Remove	

	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	152	12	38, 48, 27, 46, 34, 47, 32, 49, 32, 41, 29, 30	Moderate	Remove: 27, 34, 32, 32, 29, 30 MIS: 38, 48, 46, 47, 49, 41	
	159	1	24	Good	MIS	
	160	1	30	Good	MIS	
	162	1	50	Moderate	Remove	
	163	2	44, 41	Moderate	Remove: 44 MIS: 41	
	138	1	45	Moderate	Remove	
	139	1	36	Good	MIS	
	164	1	45	Good	MIS	
	166	1	29	Good	MIS	
	123	3	46, 44, 46	Poor	Remove	
	116	1	36	Poor	Remove	
	84	1	47	Poor	Remove	
	82	1	48	Poor	Remove	
	106	2	36, 38	Poor	Remove	
	79	1	26	Poor	Remove	Removed on the 15th day of Sept 16
	77	1	48	Moderate	Remove	
	30	1	46	Good	MIS	
	26	1	40	Poor	Remove	
	59	1	64	Good	MIS	
	36	1	41	Poor	Remove	
	38	1	43	Good	MIS	
	69	2	N/A	N/A	N/A	Slatted for removal at time of inventory
	47	1	52	Good	MIS	
	24	2	38, 41	Poor	Remove	
	23	2	36, 33	Poor	Remove	
	22	1	40	Good	MIS	
	21	2	42	Good	Remove: 30 MIS: 42	
	20	2	44, 21	Moderate	Remove: 21 MIS: 44	
	19	2	35, 44	Poor	Remove	
	13	1	51	Good	MIS	
	11	1	37	Good	MIS	
	9	2	43, 51	Good	MIS	
	8	1	62	Poor	Remove	
	5	1	38	Moderate	Remove	
	3	1	41	Good	MIS	

	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	1	9	29, 22, 30, 46, 29, 35, 32, 19, 11	Poor	Remove	
	16	1	55	Poor	Remove	
	6	1	38	Poor	Remove	
	4	1	49	Poor	Remove	
	2	4	24, 28, 39, 27	Poor	Remove	
	757	3	42, 34, 22	Poor	Remove	
	629	3	32, 42, 22	Poor	Remove	
	642	4	41, 34, 28, 36	Poor	Remove	
	643	1	35, 38	Moderate	MIS	Multiple Stem
	640	2	42, 52	Good	MIS	
	647	1	53	Good	MIS	
	754	1	37	Good	MIS	
	756	1	49	Moderate	MIS	
	753	1	38	Good	MIS	
	755	1	49	Poor	Remove	
	724	1	24, 28, 32, 22	Poor	Remove	Multiple Stem
	739	2	28, 42	Moderate	MIS	
	743	3	58, 36, 26	Poor	Remove	
	730	3	56, 44, 38	Poor	Remove	
	745	1	46	Good	MIS	
	736	3	47, 34, 34	Poor	Remove	
	748	2	61, 38	Good	MIS	
	749	4	35, 47, 50, 46	Poor	Remove	
	751	2	48, 40	Poor	Remove	
	714	1	48	Good	MIS	
	613	2	44, 45	Moderate	Remove	
	610	1	50, 41	Moderate	Remove	Multiple Stem
	620	1	56	Good	MIS	
	606	1	58	Good	MIS	
	615	1	34, 38	Moderate	MIS	Multiple Stem
	664	6	25, 27, 31, 31, 42, 29	Good	MIS	
	654	1	16, 14	Poor	Remove	Multiple Stem
	655	1	37	Good	MIS	
	669	1	56	Good	MIS	
	658	1	61	Poor	Remove	
	673	1	40	Poor	Remove	
	684	1	50	Moderate	MIS	
	783	1	65 +	Good	MIS	Injection highly recommended

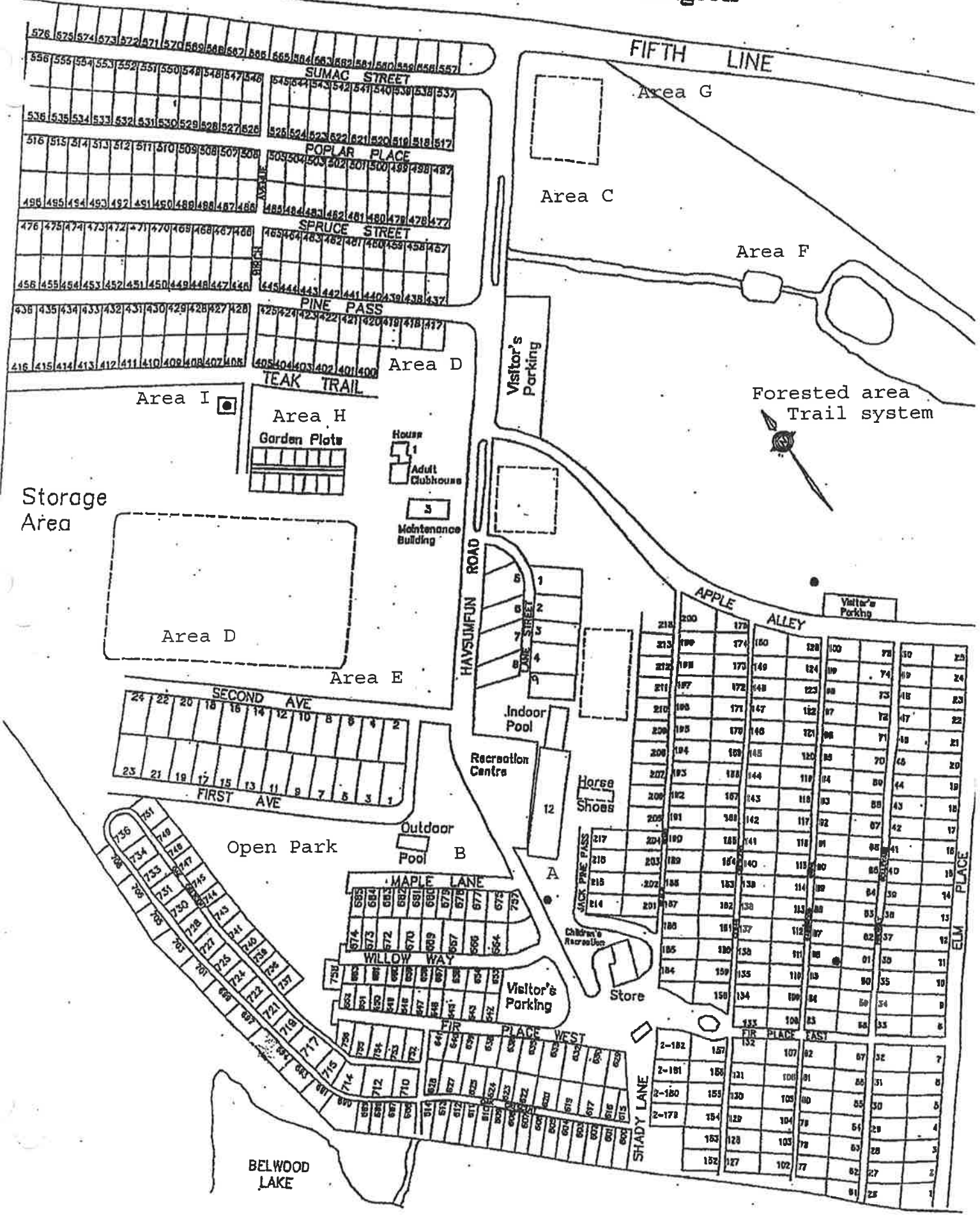
	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	Area "F"	9	22, 27, 34, 20, 26, 17, 24, 30, 21	Moderate/Poor	MIS	No immediate threat to surrounding area
	Area "A"	19	43, 31, 38, 25, 29, 25, 31, 34, 40, 42, 36, 38, 42, 24, 21, 41, 24, 19, 38	Moderate/Poor	MIS	Many trees should be removed however due to the open location, it is recommended that the area be reassessed in the spring of 2017
	Area "C"	251	23, 24, 19, 24, 21, 20, 18, 17, 20, 16, 21, 9, 14, 40, 9, 18, 18, 8, 26, 17, 14, 16, 25, 16, 22, 11, 26, 23, 17, 13, 26, 19, 6, 16, 6, 19, 8, 12, 6, 10, 10, 16, 17, 19, 17, 16, 26, 7, 16, 8, 12, 15, 10, 10, 10, 19, 7, 18, 14, 15, 19, 6, 12, 9, 8, 7, 13, 14, 14, 12, 10, 7, 20, 23, 9, 16, 14, 16,* 23, 9, 10, 21, 15, 17, 6, 10, 18, 18, 8, 13, 16, 22, 5, 7, 16, 8, 8, 15, 7, 22, 7, 8, 21, 17, 18, 9, 17, 6, 11, 19, 14, 12, 21, 17, 14, 10, 9, 9, 10, 20, 17, 18, 15, 10, 27, 13, 12, 14, 15, 14, 14, 5, 9, 14, 9, 14, 6, 10, 10, 11, 7, 19, 18, 15, 11, 19, 4, 14, 18, 9, 16, 8, 5, 18, 10, 6, 11, 7, 17, 7, 20, 5, 10, 24, 7, 18, 10, 14, 15, 8, 10, 29, 11, 19, 10, 16, 16, 15, 20, 10, 14, 11, 17, 9, 10, 13, 25, 13, 13, 14, 7, 26, 7, 11, 6, 19, 13, 7, 16, 17, 8, 17, 27, 12, 20, 20, 10, 9, 23, 6, 23, 20, 8, 12, 23, 24, 12, 27, 10, 12, 13, 11, 28, 10, 13, 31, 10, 10, 18, 7, 14, 8, 16, 17, 19, 10, 28, 26, 20, 24, 19, 32, 29, 15, 27, 31, 26, 35	Majority: Poor	Remove: majority MIS: larger DBH	Due to the close proximity of trees to one another this area has a high probability to become infested with Emerald Ash Borer (EAB). The amount of dead/dying trees in this area warrant a large number (approximately 75%) to be removed. It is recommended to start replanting in this area as the trees are removed to control noise and pollution
	Area "E"	4	26, 35, 27, 11	Good	MIS	
	Area "G"	23	17, 16, 24, 15, 22, 11, 4, 18, 16, 20, 18, 28, 13, 14, 16, 22, 9, 18, 31, 16, 18, 15, 17	Moderate	MIS	



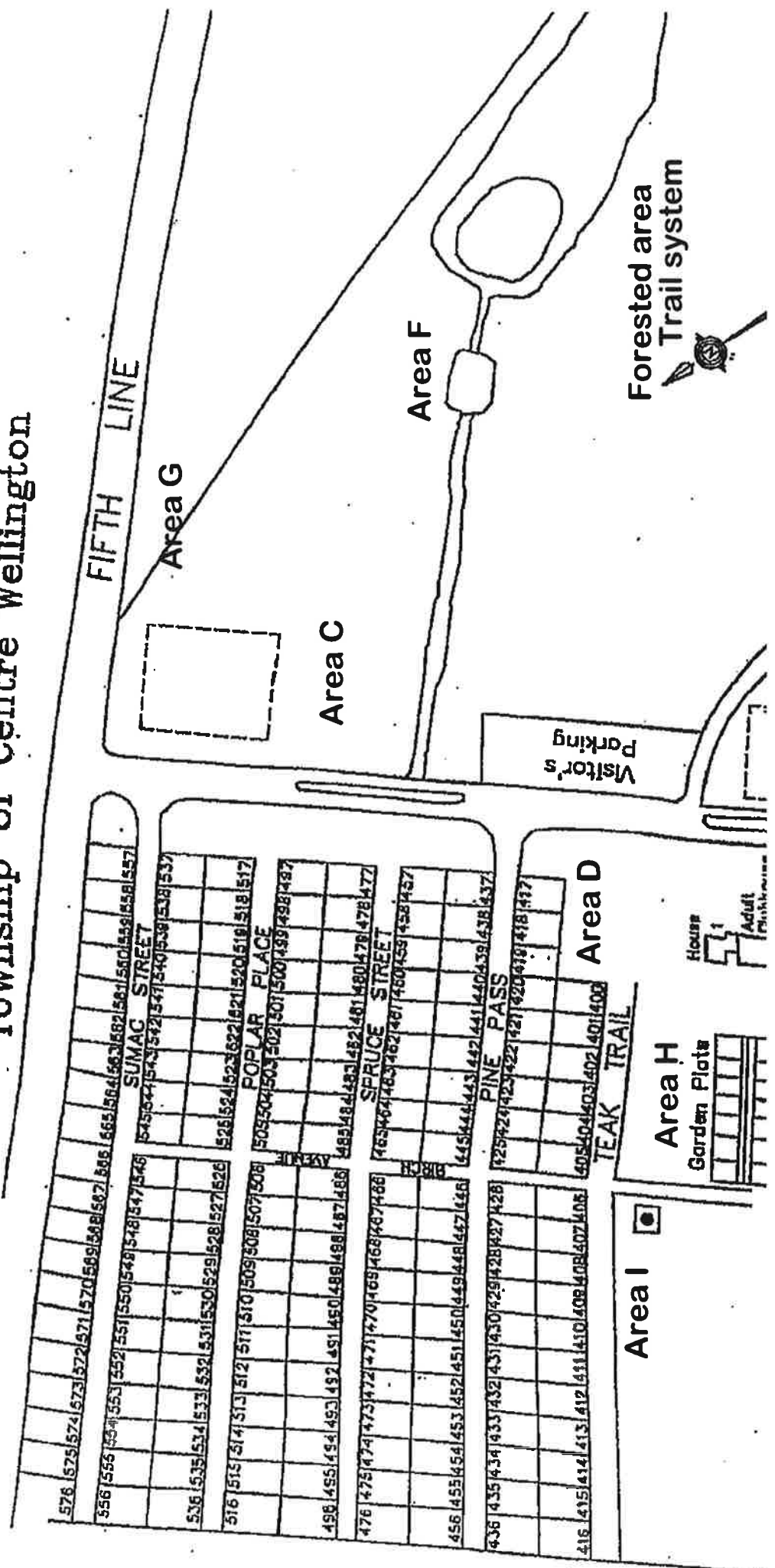
	Site Number	Number of Ash	Diameter at Breast Height (DBH)	Condition	Recommendation	Other Comments
	Area "D"	115	38, 32, 39, 20, 24, 17, 17, 10, 19, 25, 14, 17, 13, 26, 20, 28, 14, 13, 17, 35, 25, 18, 25, 13, 32, 18, 21, 18, 20, 29, 16, 18, 36, 14, 22, 10, 20, 13, 19, 22, 19, 23, 11, 22, 20, 11, 25, 20, 17, 9, 20, 17, 3, 19, 23, 7, 19, 8, 36, 9, 16, 19, 24, 22, 35, 10, 9, 29, 34, 8, 23, 21, 11, 18, 16, 27, 18, 14, 19, 30, 32, 24, 22, 10, 22, 24, 22, 7, 2, 27, 26, 16, 16, 19, 7, 37, 2, 2, 4, 6, 3, 26, 10, 24, 10, 32, 24, 10, 13, 32, 16, 34, 32, 35, 36, 28, 10, 24, 4, 8, 28, 24, 36, 13, 34	Majority: Poor	First year: selective removals up to 25% Second year: remove every other tree (leap frog) targeting smaller diameter trees to encourage growth of the remaining stock. Assess remaining trees for possible injection.	To maximize this sites potential, it is recommended that two stages of removals occur. Undertaking this removal process is to encourage growth of the spruce that divide the rows of Ash. This process will provide adequate shade for the successful understory as well as encourage new species. The last row of spruce that is closest to the community garden consists of only spruce. There should be little to no repercussions to the community garden.
	Area "H"	15	24, 21/23, 18, 10, 10, 20, 20, 26, 15, 17, 12, 26, 19, 27, 15, 14	Poor	Remove	DBHs that contain a / indicate a multiple stem tree.
	Area "I"	34	11, 21, 27, 12/15, 23, 12, 19, 10, 20, 15, 29, 7, 9, 5/5, 19, 22, 10/8/9/11, 10/19/7/10, 9, 26, 17, 13, 15, 9, 19, 14, 22, 6, 14, 10, 17, 10, 11, 21	Poor	Remove	DBHs that contain a / indicate a multiple stem tree.
	Forested Area/ Walking Trails	N/A	N/A	N/A	MIS	The forested area and walking trails have immature White Ash and are void of mature Ash. There are no Ash that is a potential hazard. The area will not likely ever become a breeding ground for EAB
		<b>Total: 852</b>				

# MAPLE LEAF ACRES

## Township of Centre Wellington



# MAPLE LEAF ACRES Township of Centre Wellington



Storage Area

Clubhouse  
5  
Maintenance Building

Area D

Area E

Open Park

Outdoor Pool B

Indoor Pool

Recreation Centre

Horse Shoes

Visitor's Parking

Store

Children's Reception

APPLE ALLEY

ELM PLACE

FIR PLACE EAST

SHADY LANE

PLAQUE WEST

MAPLE LANE

WILLOW WAY

BELWOOD LAKE

HAVSUMFUN ROAD

SECOND AVE

FIRST AVE

LANE STREET

Visitor's Parking

Visitor's Parking

1  
2  
3  
4  
5  
6  
7  
8  
9

24	22	20	18	16	14	12	10	8	6	4	2
23	21	19	17	15	13	11	9	7	5	3	1

736	734	733	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700
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737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
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801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
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100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
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## **Brief Synopsis of Intended Action**

Alltree Service and its team members intend to monitor the Ash trees within Maple Leaf Acres to control the spread of Emerald Ash Borer (EAB).

In April and early May a team member will be re-assessing trees that were listed to monitor in the spring (within this report) for the purpose of injection of Treeazin to control EAB. Treatment is effective if the tree is less than a third dead and is undertaken between early June to September (weather permitting). The Canadian Food and Inspection Agency controls the timeframe that Treeazin is to be injected. Injecting trees outside of the designated timeframe can bring fines and possible jail time. Alltree Services team member will determine if any given tree is treatable based on their experience with EAB and report it to Maple Leaf Acres for direction. Upon receiving direction from Maple Leaf Acres, Alltree Services will undertake the necessary work.

If any given tree is deemed untreatable, it will be slated for removal within the team and reported to Maple Leaf Acres for confirmation. Upon confirmation, Alltree Service will undertake removing trees that are deemed to be the most hazardous first.

Alltree Services is a full service tree company. Alltree Services is equipped to undertake any and all arboricultural practices including debris clean up. Alltree Services also supplies, delivers and installs a wide variety of trees and shrubs. Upon request, Alltree Services will be happy to recommend trees for any area/site within the park as well as discuss a replanting plan.