

UBC Social Ecological Economic Development Studies (SEEDS) Sustainability Program

Student Research Report

**Tree Inventory Field Data Collection**

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**Forestry, Volunteer Course**

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**Project Main Purpose:**

To collect tree inventory data of trees along Agronomy Rd from West Mall to Wesbrook Mall to update the information in the current tree inventory.

**Project Background/ Context:**

The tree inventory data collected in this directed study will be used to update the current tree inventory and go towards the creation of an Urban Forest Management Plan. This plan will help influence the one that campus will begin working on in the coming year.

Students from Forestry/Urban Forestry and Botany will be inventorying the trees and shrubs in the designated Green Corridor area as Landscape Architecture students are working on future designs for the space. Before campus begins work on designing enhancements to the corridor, we need to know what is there right now.

**Conclusion:**

Data collected is in a table below. Attributes collected include:

*Common Name*

*Scientific Name*

*Location (GPS coordinates)*

*Height*

*DBH (Diameter Breast Height)*

*Health Condition*

*Reason Analysis*

## SEEDS Project- Field Data Collection for Green Corridor

Tree Number	Common Name	Scientific Name	Location	Height	DBH	Health Condition	Reason Analysis
#1	Red maple	<i>Acer rubrum</i>	49.259749, -123.251388	16m	50cm	Medium	Good root maintenance but too close to residence
#2	Red maple	<i>Acer rubrum</i>	49.259804, -123.251238	15m	50cm	Medium	Good root maintenance but too close to residence
#3	Red maple	<i>Acer rubrum</i>	49.259847, -123.251106	16m	45cm	Medium	Good root maintenance but too close to residence
#4	Red maple	<i>Acer rubrum</i>	49.259873, -123.251033	16m	50cm	Medium	Good root maintenance but too close to residence
#5	Red maple	<i>Acer rubrum</i>	49.259898, -123.250961	15m	40cm	Medium	Good root maintenance but too close to residence
#6	Red maple	<i>Acer rubrum</i>	49.259919, -123.250870	16m	50cm	Medium	Good root maintenance but too close to residence
#7	Red maple	<i>Acer rubrum</i>	49.259988, -123.250969	8m	35cm	Bad	Construction, poor root maintenance
#8	Red maple	<i>Acer rubrum</i>	49.259999, -123.250906	8m	50cm	Bad	Construction, poor root maintenance
#9	Red maple	<i>Acer rubrum</i>	49.260031, -123.250829	6m	40cm	Bad	Construction, poor root maintenance
#10	Red maple	<i>Acer rubrum</i>	49.260057, -123.250768	8m	35cm	Bad	Construction, poor root maintenance
#11	Red maple	<i>Acer rubrum</i>	49.260097, -123.250687	8m	40cm	Bad	Construction, poor root maintenance
#12	Red maple	<i>Acer rubrum</i>	49.260163, -123.250459	8m	30cm	Bad	Construction, poor root maintenance
#13	Golden chain	<i>Laburnum</i>	49.260170, -123.250191	6m	30cm	Good	Good root maintenance, enough space and sunshine
#14	Golden chain	<i>Laburnum</i>	49.260196, -123.250115	6m	30cm	Good	Good root maintenance, enough space and sunshine
#15	Golden chain	<i>Laburnum</i>	49.260222, -123.250046	6m	30cm	Good	Good root maintenance, enough space and sunshine
#16	Golden chain	<i>Laburnum</i>	49.260255, -123.249959	4m	20cm	Medium	Insufficient space and too much competition
#17	Golden chain	<i>Laburnum</i>	49.260272, -123.249900	8m	30cm	Good	Good root maintenance, enough space and sunshine
#18	Golden chain	<i>Laburnum</i>	49.260306, -123.249794	6m	30cm	Good	Good root maintenance, enough space and sunshine
#19	Golden chain	<i>Laburnum</i>	49.260331, -123.249733	6m	30cm	Good	Good root maintenance, enough space and sunshine
#20	Golden chain	<i>Laburnum</i>	49.260350, -123.249674	6m	30cm	Good	Good root maintenance, enough space and sunshine
#21	Golden chain	<i>Laburnum</i>	49.260263, -123.250198	6m	30cm	Good	Good root maintenance, enough space and sunshine
#22	Golden chain	<i>Laburnum</i>	49.260285, -123.250138	4m	15cm	Medium	Insufficient space and too much competition
#23	Golden chain	<i>Laburnum</i>	49.260302, -123.250066	6m	30cm	Good	Good root maintenance, enough space and sunshine
#24	Golden chain	<i>Laburnum</i>	49.260332, -123.249987	3m	20cm	Medium	Insufficient space and too much competition
#25	Golden chain	<i>Laburnum</i>	49.260355, -123.249927	6m	30cm	Good	Good root maintenance, enough space and sunshine
#26	Golden chain	<i>Laburnum</i>	49.260383, -123.249829	6m	30cm	Good	Good root maintenance, enough space and sunshine
#27	Golden chain	<i>Laburnum</i>	49.260416, -123.249735	6m	30cm	Good	Good root maintenance, enough space and sunshine
#28	Golden chain	<i>Laburnum</i>	49.260440, -123.249678	6m	30cm	Good	Good root maintenance, enough space and sunshine
#29	Golden chain	<i>Laburnum</i>	49.260468, -123.249602	6m	30cm	Good	Good root maintenance, enough space and sunshine
#30	Japanese cherry	<i>Prunus serrulata</i>	49.260618, -123.248913	6m	35cm	Bad	Bad root maintenance, insufficient space and sunshine, too close to the building
#31	Japanese cherry	<i>Prunus serrulata</i>	49.260647, -123.248818	6m	30cm	Medium	Insufficient space and sunshine, too close to the building
#32	Japanese cherry	<i>Prunus serrulata</i>	49.260686, -123.248702	6m	30cm	Bad	Bad root maintenance, insufficient space and sunshine, too close to the building
#33	Japanese cherry	<i>Prunus serrulata</i>	49.260736, -123.248590	6m	30cm	Medium	Insufficient sunshine, too close to the building
#34	Japanese cherry	<i>Prunus serrulata</i>	49.260779, -123.248467	8m	40cm	Medium	Insufficient sunshine, too close to the building
#35	Japanese cherry	<i>Prunus serrulata</i>	49.260825, -123.248341	7m	40cm	Medium	Insufficient sunshine, too close to the building
#36	Japanese cherry	<i>Prunus serrulata</i>	49.260867, -123.248210	8m	40cm	Medium	Insufficient sunshine, too close to the building
#37	Red maple	<i>Acer rubrum</i>	49.260769, -123.248886	12m	50cm	Medium	Insufficient sunshine and space, too close to the building
#38	Red maple	<i>Acer rubrum</i>	49.260787, -123.248752	10m	50cm	Medium	Insufficient sunshine and space, too close to the building
#39	Red maple	<i>Acer rubrum</i>	49.260825, -123.248668	12m	45cm	Medium	Insufficient sunshine and space, too close to the building
#40	Red maple	<i>Acer rubrum</i>	49.260857, -123.248577	12m	50cm	Medium	Insufficient sunshine and space, too close to the building
#41	Red maple	<i>Acer rubrum</i>	49.260890, -123.248496	10m	40cm	Medium	Insufficient sunshine and space, too close to the building
#42	Red maple	<i>Acer rubrum</i>	49.260925, -123.248400	12m	45cm	Medium	Insufficient sunshine and space, too close to the building
#43	Red maple	<i>Acer rubrum</i>	49.260940, -123.248337	12m	45cm	Medium	Insufficient sunshine and space, too close to the building
#44		Shrubs	49.261170, -123.247673	0.3	n/a	Good	Shade-tolerant species and sufficient space
#45	Red maple	<i>Acer rubrum</i>	49.261023, -123.247707	18m	55cm	Good	Good root maintenance and sufficient space and sunshine
#46	Red maple	<i>Acer rubrum</i>	49.261063, -123.247583	20m	50cm	Good	Good root maintenance and sufficient space and sunshine
#47	Red maple	<i>Acer rubrum</i>	49.261083, -123.247513	18m	50cm	Good	Good root maintenance and sufficient space and sunshine
#48	Red maple	<i>Acer rubrum</i>	49.261117, -123.247445	18m	45cm	Good	Good root maintenance and sufficient space and sunshine
#49	Red maple	<i>Acer rubrum</i>	49.261183, -123.247238	18m	50cm	Good	Good root maintenance and sufficient space and sunshine
#50	Red maple	<i>Acer rubrum</i>	49.261322, -123.247307	10m	45cm	Good	Good root maintenance and sufficient space and sunshine
#51	Red maple	<i>Acer rubrum</i>	49.261351, -123.247212	12m	50cm	Good	Good root maintenance and sufficient space and sunshine
#52	Hornbeam	<i>Carpinus</i>	49.261318, -123.246803	12m	80cm	Good	Good root maintenance and sufficient space and sunshine
#53	Red maple	<i>Acer rubrum</i>	49.261448, -123.246921	8m	40cm	Good	Good root maintenance and sufficient space and sunshine
#54	Red maple	<i>Acer rubrum</i>	49.261461, -123.246851	5m	20cm	Good	Young tree, good maintenance
#55	Red maple	<i>Acer rubrum</i>	49.261487, -123.246729	4m	25cm	Good	Young tree, good maintenance
#56	Red maple	<i>Acer rubrum</i>	49.261554, -123.246566	14m	30cm	Good	Good root maintenance and sufficient space and sunshine
#57	Red maple	<i>Acer rubrum</i>	49.261684, -123.246182	1m	10cm	Good	Young tree, good maintenance
#58	Red maple	<i>Acer rubrum</i>	49.261752, -123.245978	8m	15cm	Good	Young tree, good maintenance
#59	Hornbeam	<i>Carpinus</i>	49.261859, -123.245655	16m	50cm	Good	Good root maintenance and sufficient space and sunshine
#60	Hornbeam	<i>Carpinus</i>	49.261892, -123.245555	24m	50cm	Good	Good root maintenance and sufficient space and sunshine
#61	Hornbeam	<i>Carpinus</i>	49.261933, -123.245448	12m	45cm	Good	Good root maintenance and sufficient space and sunshine
#62	Hornbeam	<i>Carpinus</i>	49.261972, -123.245336	24m	55cm	Good	Good root maintenance and sufficient space and sunshine
#63	Hornbeam	<i>Carpinus</i>	49.262017, -123.245236	12m	45cm	Good	Good root maintenance and sufficient space and sunshine
#64	Hornbeam	<i>Carpinus</i>	49.261794, -123.245512	12m	50cm	Good	Good root maintenance and sufficient space and sunshine
#65	Hornbeam	<i>Carpinus</i>	49.261841, -123.245332	14m	50cm	Good	Good root maintenance and sufficient space and sunshine
#66	Red maple	<i>Acer rubrum</i>	49.261893, -123.245215	5m	15cm	Good	Good root maintenance and sufficient space and sunshine
#67	Hornbeam	<i>Carpinus</i>	49.261897, -123.245160	12m	50cm	Good	Good root maintenance and sufficient space and sunshine
#68	Red maple	<i>Acer rubrum</i>	49.261981, -123.244939	12m	45cm	Good	Good root maintenance and sufficient space and sunshine
#69	Red maple	<i>Acer rubrum</i>	49.262025, -123.244791	14m	50cm	Good	Good root maintenance and sufficient space and sunshine
#70	Red maple	<i>Acer rubrum</i>	49.262099, -123.244601	12m	45cm	Good	Good root maintenance and sufficient space and sunshine
#71	Red maple	<i>Acer rubrum</i>	49.262101, -123.244996	16m	50cm	Good	Good root maintenance and sufficient space and sunshine
#72	Red maple	<i>Acer rubrum</i>	49.262131, -123.244869	14m	35cm	Good	Good root maintenance and sufficient space and sunshine

Tree Number	Common Name	Scientific Name	Location	Height	DBH	Health Condition	Reason Analysis
#73	Red maple	<i>Acer rubrum</i>	49.262164, -123.244777	12m	40cm	Good	Good root maintenance and sufficient space and sunshine
#74	Red maple	<i>Acer rubrum</i>	49.262215, -123.244657	14m	50cm	Good	Good root maintenance and sufficient space and sunshine
#75	Red maple	<i>Acer rubrum</i>	49.262066, -123.244699	5m	15cm	Good	Good root maintenance and sufficient space and sunshine
#76	Red maple	<i>Acer rubrum</i>	49.262277, -123.244143	12m	35cm	Good	Good root maintenance and sufficient space and sunshine
#77	Red maple	<i>Acer rubrum</i>	49.262296, -123.244391	12m	40cm	Good	Good root maintenance and sufficient space and sunshine
#78	Red maple	<i>Acer rubrum</i>	49.262350, -123.244299	8m	20cm	Good	Good root maintenance and sufficient space and sunshine
#79	Red maple	<i>Acer rubrum</i>	49.262381, -123.244199	12m	36cm	Good	Good root maintenance and sufficient space and sunshine
#80	Red maple	<i>Acer rubrum</i>	49.262423, -123.244077	8m	30cm	Medium	Bad root maintenance
#81	Red maple	<i>Acer rubrum</i>	49.262217, -123.244411	6m	25cm	Medium	Bad root maintenance
#82	Red maple	<i>Acer rubrum</i>	49.262243, -123.244330	6m	20cm	Good	Good root maintenance and sufficient space and sunshine
#83	Red maple	<i>Acer rubrum</i>	49.262274, -123.244177	14m	40cm	Good	Good root maintenance and sufficient space and sunshine
#84	Red maple	<i>Acer rubrum</i>	49.262515, -123.243528	16m	50cm	Good	Good root maintenance and sufficient space and sunshine
#85	Red maple	<i>Acer rubrum</i>	49.262627, -123.243211	14m	40cm	Good	Good root maintenance and sufficient space and sunshine
#86	Red maple	<i>Acer rubrum</i>	49.262688, -123.243018	14m	45cm	Good	Good root maintenance and sufficient space and sunshine