

Composite Sample Areas:

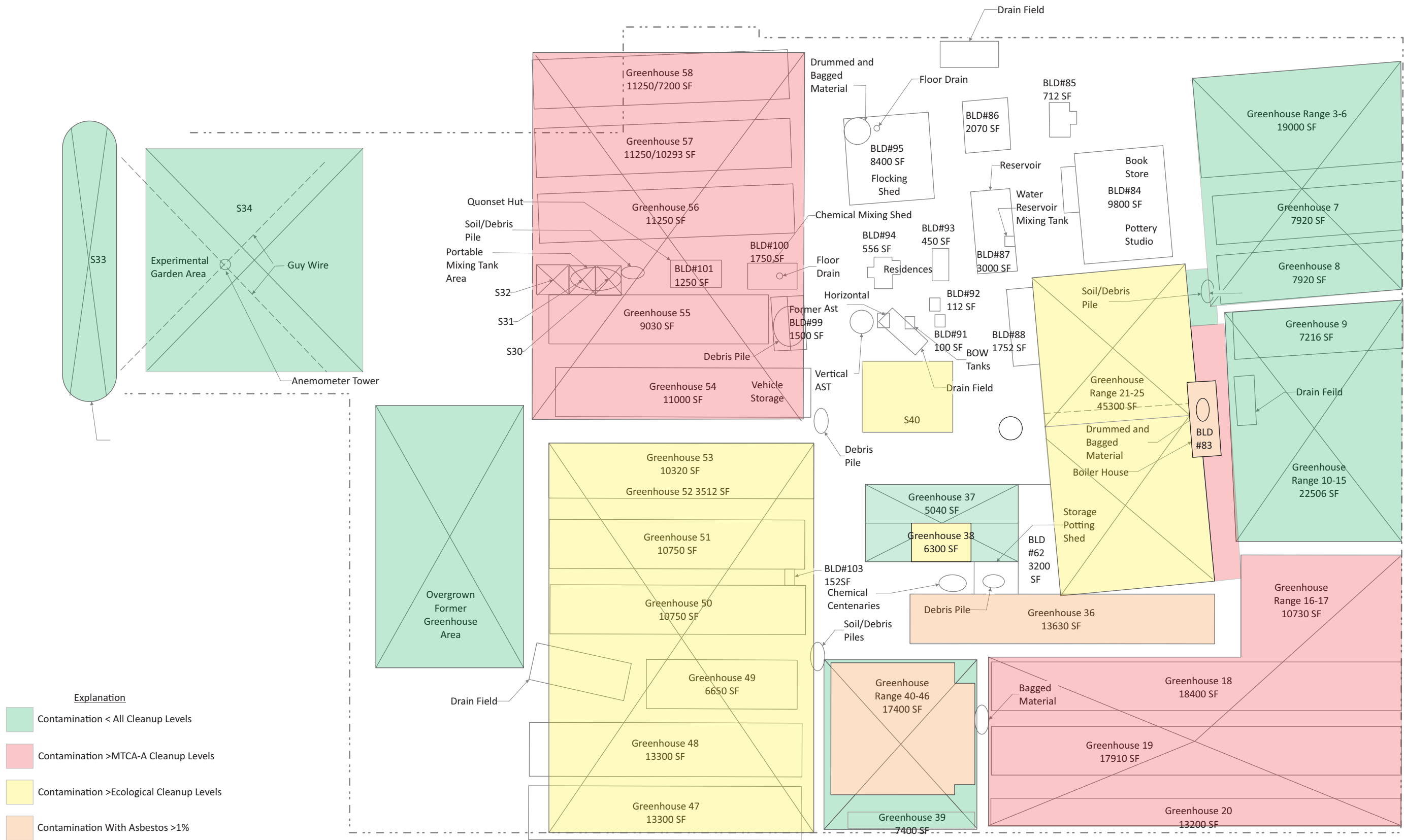
Sample Number	Sample Area Description	Cleanup Level Required			Contaminants of Concern								Cu Yards (12" Removal)	Cu Yards (6" Removal)
		Method A	Ecological	None	Pb (ppm)	As (ppm)	Cd (ppm)	4,4'DDE (ppb)	4,4'DDD (ppb)	4,4'DDT (ppb)	Methoxychlor (ppm)	Asbestos		
Historical Results														
Remediation Necessary														
S3	Greenhouse 16 to 20	X	X		170	22	0.85	310	90	230	--	--	2231.1	1115.6
S4	Greenhouse 31-45 Range North Half		X		140	17	0.8	380	290	1800	--	--	838.9	419.4
S5	Greenhouse 31-45 Range South Half		X		--	--	--	830	110	2000	--	--	838.9	419.4
S6	Greenhouse 37 to 38 (See ECI Data Below)	X	X		--	--	--	1800	260	9200	--	--	420.0	210.0
S8	Greenhouse 54 to 58; Building 99 to 101	X	X		110	21	0.75	150	130	350	--	--	2108.9	1054.4
S9	Greenhouse 47 to 53		X		110	--	--	47	17	50	--	--	2543.8	1271.9
S21	Greenhouse Range 40-46 (Within Sample Location S7)	X	X		--	--	--	--	--	--	--	Chrysotile	-- ¹	-- ¹
S23	Greenhouse 36	X	X		--	--	--	--	--	--	--	Chrysotile	504.8	252.4
S24	Building 83	X	X		--	--	--	--	--	--	--	Amosite		
S39	Area Between Greenhouses	X	X		1100	30	1.6	--	--	--	--	--	TBD	TBD
S40	Ground area		X		170	--	0.66	--	--	--	--	--	TBD	TBD
No Remediation Necessary, But Some Contamination Exists-Ecology May Require Additional Site Characterization														
S1	Greenhouse 3 to 8			X	--	--	--	320	75	340	--	--	1290.4	645.2
S2	Greenhouse 9 to 15			X	--	--	--	240	58	320	--	--	1100.9	550.4
S7	Greenhouse 39 to 46			X	--	--	--	280	110	320	--	--	733.3	366.7
S10	Overgrown Former Greenhouse Area			X	32	--	--	--	--	--	--	--	TBD	TBD
S11	Area Between Greenhouses			X	--	--	--	130	78	430	--	--	TBD	TBD
S33	Stockpile			X	27	--	--	--	--	--	--	--	TBD	TBD
S34	Experimental Garden Area			X	22	--	--	--	--	--	--	--	TBD	TBD
ECI Results														
Remediation Necessary-Total Concentration Exceeds Ecological Receptor Screening Levels-Further Characterization May Reduce Total Remediation Volume														
SP-7-12	Greenhouse 38 Center Third		X		--	--	--	236	44.9	1980	0.0425	--	70.0	35.0
No Remediation Necessary, but some contamination exists														
SP-3-12	Greenhouse 38 East Third			X	--	--	--	95.8	--	140	--	--	70.0	35.0
SP-9-12	Greenhouse 38 West Third			X	--	--	--	145	--	181	0.0114	--	70.0	35.0
SP-11-12	Greenhouse 38 West Third			X	--	--	--	21.5	--	14.4	--	--	-- ¹	-- ¹
SP-13-12	Greenhouse 37 East Third			X	--	--	--	53.1	--	60.1	--	--	70.0	35.0
SP-15-12	Greenhouse 37 East Third			X	--	--	--	119	--	187	--	--	-- ¹	-- ¹
SP-17-12	Greenhouse 37 Center Third			X	--	--	--	56.9	--	103	--	--	70.0	35.0
SP-19-12	Greenhouse 37 Center Third			X	--	--	--	15.5	--	12.7	--	--	-- ¹	-- ¹
SP-21-12	Greenhouse 37 West Third			X	--	--	--	71.2	--	110	--	--	70.0	35.0
SP-23-12	Greenhouse 37 West Third			X	--	--	--	73.4	--	98.5	0.0101	--	-- ¹	-- ¹
Total Volume to Remove All Contaminants (Cubic Yards):		<i>Cleanup Threshold (Method A/Ecological):</i>			250/50	20/10	2/4	NL/750 ²	NL/750 ²	3000/750 ²	NL/NL		13031.0	6515.5
Amount of material (Cubic Yards) to be removed for:					6" Removal		12" Removal							
Method A Cleanup Only					5265 + TBD		10530 +TBD							
Ecological Cleanup Only					4778 + TBD		9556 + TBD							
All Contaminants					6515 + TBD		13031 + TBD							

¹ Volume already accounted for in other sample areas

² Indicates total concentration of DDD+DDE+DDT

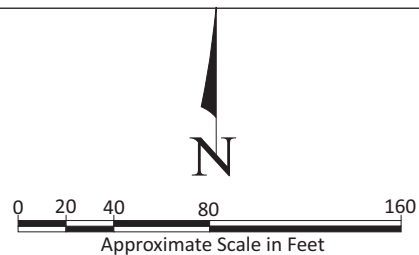
NL = Not Listed

Property Line



Explanation

- Contamination < All Cleanup Levels
- Contamination >MTCA-A Cleanup Levels
- Contamination >Ecological Cleanup Levels
- Contamination With Asbestos >1%



Composite Area of Clean and Contaminated Soil
Approximate Remediation Areas
 Base Map From CDM, 2006
 Focused Subsurface Investigation
 18527, 18531 Beall Rd SW
 Vashon, WA 98070

Date: November 14, 2018
 Completed By: K. Spencer
 Reviewed By: S. Spencer
 Version: ECI-001
 Project No.: 0703-01-01

Figure No.:

01

Sheet 01 of 02

Single Sample Point Areas:

Sample Number	Sample Area Description	Volume Min	Volume Max	Cleanup Level Required			Contaminants of Concern												
				Method A	Ecological	None	Diesel	Oil (ppm)	Pb (ppm)	As (ppm)	Cd (ppm)	4,4'DDE (ppb)	4,4'DDD (ppb)	4,4'DDT (ppb)	Endosulfan I (ppb)	Endosulfan II (ppb)	Total PAHs (TEQ)	Indeno (1,2,3-cd)pyrene	
Historical Results																			
No Remediation Necessary																			
S14	Area along product piping (within S4)	TBD	TBD			X	--	110	--	--	--	--	--	--	--	--	--	--	
S17	Vertical AST	TBD	TBD			X	--	300	--	--	--	--	--	--	--	--	--	--	
S19	Drain Field	TBD	TBD			X	--	350	--	--	--	--	--	--	--	--	--	--	
S29	Next to building 101	TBD	TBD			X	--	--	--	--	--	20	81	150	--	--	--	--	
S41	Between Buildings 91 and 92	TBD	TBD			X	--	--	--	--	--	83	--	--	--	--	--	--	
S42	Between Buildings 87 and 88	TBD	TBD			X	--	--	--	--	--	63	--	--	--	--	--	--	
TP4	Next to Horizontal AST	TBD	TBD			X	--	1800	--	--	--	--	--	--	--	--	--	--	
TP5	Next to building 112	TBD	TBD			X	--	1700	--	--	--	--	--	--	--	--	0.0102	0.013	
Remediation Necessary-Total Concentration Exceeds MTCA-A CUL (S16, S18 & S20, S39 & S45) & Ecological Receptor Screening Levels (S28, S40)-Further Characterization May Reduce Total Remediation Volume																			
S16	Bow Tanks	TBD	TBD	X			--	2700	--	--	--	--	--	--	--	--	--	--	
S18	Next to Drain Field	TBD	TBD	X			--	56000	--	--	--	--	--	--	--	--	0.147	0.12	
S20	Next to vertical AST	TBD	TBD	X			--	180000	--	--	--	--	--	--	--	--	--	--	
S28	Between Building 100 and 101	TBD	TBD		X		--	--	--	--	--	51	110	1300	270	200	--	--	
S45	Soil/Debris Pile	TBD	TBD	X	X		--	--	780	20	1.5	45	170	1400	--	--	--	--	
TP3	Next to Vertical AST	TBD	TBD	X			--	5300	--	--	--	--	--	--	--	--	0.073	0.38	
ECI Results																			
Remediation Necessary-Total Concentration Exceeds MTCA-A CUL																			
B1-9	Next to vertical AST	500	1100	X			4210	1800	--	--	--	--	--	--	--	--	--	--	
B3-8	Next to vertical AST						X		--	99	--	--	--	--	--	--	--	--	--
B9-10	Next to vertical AST						X		--	62	--	--	--	--	--	--	--	--	--
Total Volume to Remove All Contaminants		500 + TBD	1100 + TBD	<i>Cleanup Threshold (Method A/Ecological):</i>			2000/NL	2000/NL	250/50	20/10	2/4	NL/750 ²	NL/750 ²	3000/750 ²	NL/NL	NL/NL	0.1/NL	0.137 (Method B)	
Amount of material (Cubic Yards) to be removed for:		6" Removal	12" Removal																
Method A Cleanup Only		500 + TBD	1100 + TBD																
Ecological Cleanup Only		TBD	TBD																
All Contaminants		TBD	TBD																

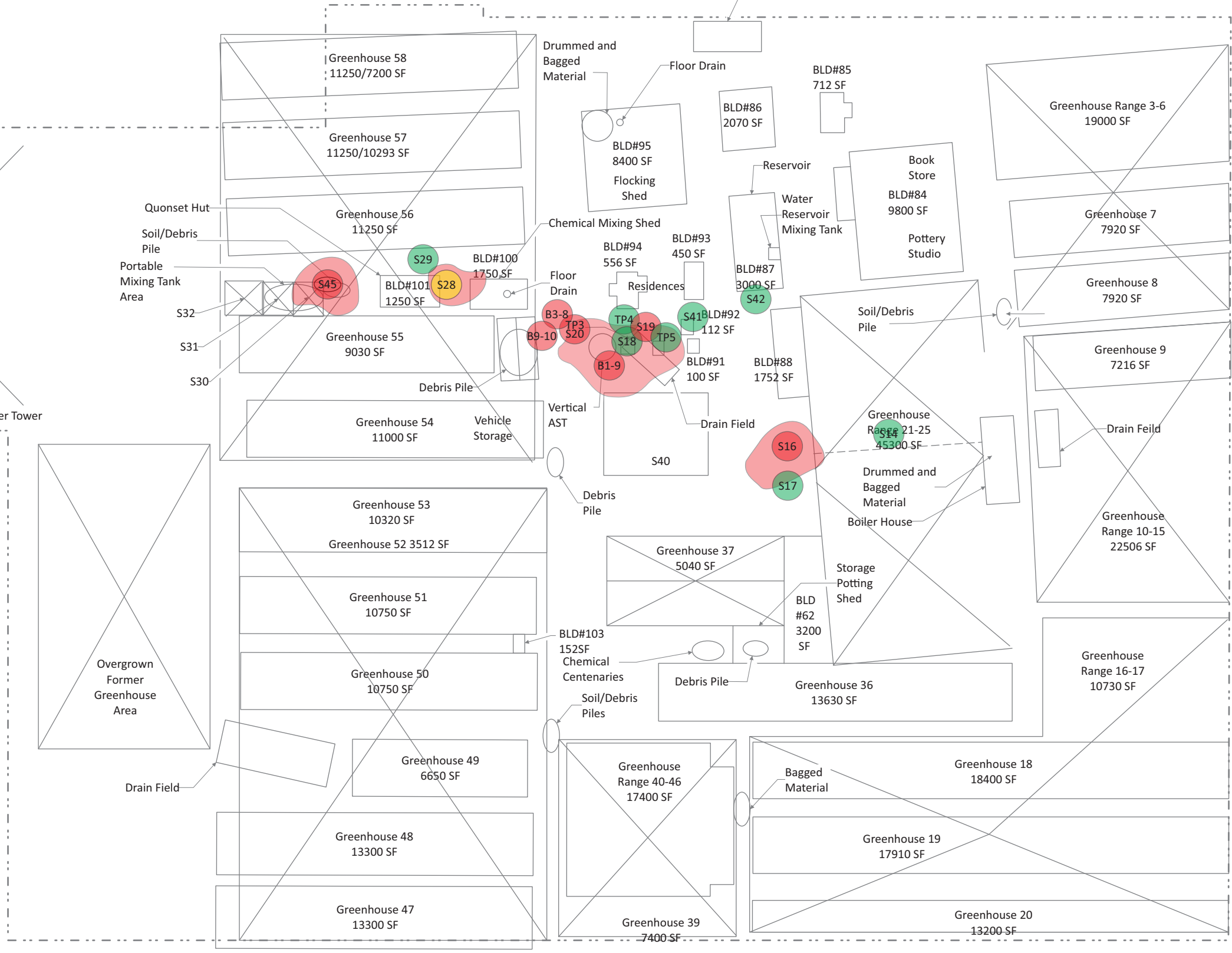
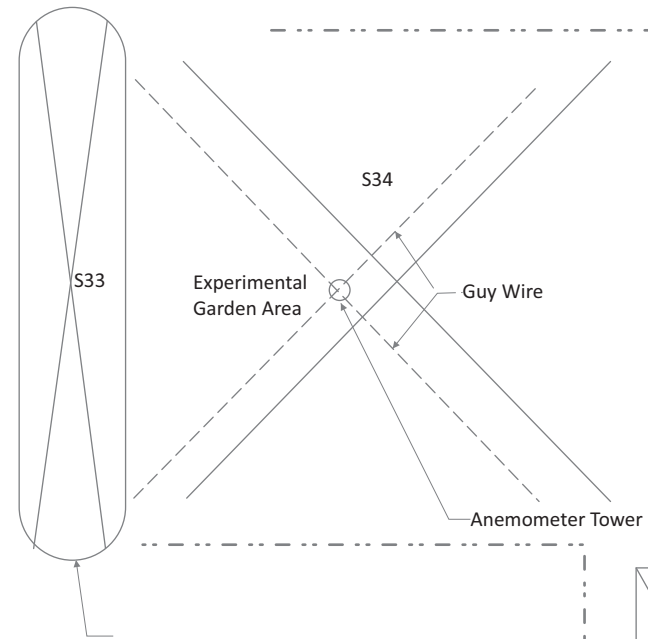
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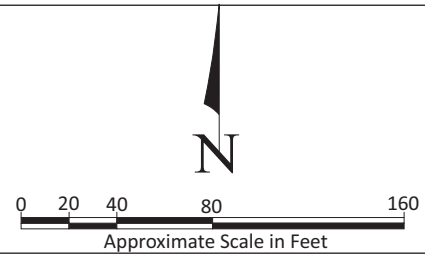
Property Line

Drain Field



Explanation

- Contamination < All Cleanup Levels
- Contamination >MTCA-A Cleanup Levels
- Contamination >Ecological Cleanup Levels
- Approximate Remediation Areas



Single Point Soil Samples of Clean and Contaminated Soil
Approximate Remediation Areas
 Base Map From CDM, 2006
 Focused Subsurface Investigation
 18527, 18531 Beall Rd SW
 Vashon, WA 98070

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