

Plot Information

Pepperwood Preserve
TBC3 Long-term Vegetation Monitoring ProjectPlot ID 1345 Date 6-28-19 Samplers MO, GH

Notes _____

Plot level data

SOD

LICHEN



Bay



moss



Ramalina



Crustose



Oak



liverwort



Usnea



Foliose



Tennis balls

Hobo downloaded



Origin corner tag



Powdery Mildew



Mistletoe

Quads Completed:

Start Tag:

End Tag:



Counts open



Counts closed

B2SW-W0, S1, E16, N22 B4SW-W0, S7, E13 D2SW-S21, W1, N17, E10 D4SW-W3, S19, E61, N54

C3SW(center)-W0, S1, E44, N12

Environmental Notes:

Quad	% Bedrock	% Soil	% Boulder	% Fine	% Herb	% Litter	Total	Notes
A1	0	6	0	2	40	52	100	
A2	0	5	0	3	48	44	100	
A3	0	15	0	10	35	40	100	
A4	0	4	0	2	60	34	100	
B1	0	5	0	3	67	25	100	
B2	0	10	0	4	65	21	100	
B3	0	5	0	2	58	35	100	
B4	0	28	0	12	35	25	100	
C1	0	15	0	5	50	30	100	
C2	0	18	0	0	55	27	100	
C3	0	4	0	1	80	15	100	
C4	0	2	0	2	76	20	100	
D1	0	12	0	5	53	30	100	
D2	0	3	0	0	78	19	100	
D3	0	3	0	1	80	16	100	
D4	0	2	0	0	85	13	100	

Seedling Log

Pepperwood Preserve
TBC3 Long-term Vegetation Monitoring ProjectPlot ID 1345Sampler(s) M.O. GHDate 6-28-19Notes Difficult to tell between Hetarb/Arcman, Some Arcman in A & B Maybe
HETARB

Quad	Species	No. SE <10cm	No. JU 10- 50cm	No. SE +JU Dead	Comments
C4	HETARB	(8)	(1)		
I	QUEGAR		(1)		
C3	QUEGAR		(2)		
I	HETARB	(2)			
C2	QUEGAR		(3)		
I	HETARB	(2)	(1)		
I	ARCMAN	(30)	(1)		
I	QVEDOU		(1)		
I	QUEAGRI		(1)		
C1	ARCMAN	(22)			
I	HETARB	(14)	(1)		
D1	QVEDOU		(1)		
I	HETARB	(9)	(1)		
I	ARCMAN	(7)			
D2	ARCMAN	(2)	(3)		
I	QUEGAR		(1)		
I	HETARB	(1)	(2)		
D3	QUEGAR		(5)		
I	ARCMAN	(1)			
I	ARCMAN	(1)	(1)		TAGGED
I	QVEDOU	(1)			
D4	ARCMAN	(6)	(1)		
I	QUEAGRI		(1)		
I	QUEGAR		(8)		
I	HETARB		(1)		
A3	QUEGAR		(3)		
	HETARB	(6)			
	ARCMAN	(83)			
A4	HETARB	(2)			
I	QUEGAR		(1)		
I	ARCMAN	(45)			

A1	B1	X	X
A2	B2	X	X
X	X	X	X
X	X	X	X

**Pepperwood Preserve
TBC3 Long-term Vegetation Monitoring Project**

Date 6-28-19

TABLE 1. *Mean (SD) Age-Related Changes in the Physical and Psychological Characteristics of the Participants*

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Plot ID 1345

Sampler(s) MO, GH, T, MK

Date

7/2/19

Notes

Quadrat	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	Basal	Epiformic	Apical	% Living Canopy	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
A3	SA (TR) TS	2259			ARCMPN	0	0	0	0	0				—			
	SA (TR) TS	.1				0	0	0	0	0				5.9			
	SA (TR) TS	.2				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.3				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	2277				0	0	0	0	0				—			
	SA (TR) TS	2278			UMBAL	1	0				123.7	0.78	6				Resprout BD
	SA (TR) TS	2274			UMBAL	0	1	0	0	0				—	140.6	4	
	SA (TR) TS	2258			PEMEN	1	0	0	1	4				17.3			
	SA (TR) TS	2276	10	99	UMBAL	0	1				—	0.92	—	—	103.9	2	Resprout BD
A4	SA (TR) TS	2279			PETALB	0	1	0	0	0				—	235.2	18	
	SA (TR) TS	.1				0	0	0	0	0				1.79			DEAD, TAG-PULLED
	SA (TR) TS	.2				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.3				0	1	0	0	0				—	247.9	12	
	SA (TR) TS	.4				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.5				0	1	0	0	0				—	224	14	
	SA (TR) TS	.6				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.7				0	1	0	0	0				—	165.6	10	
	SA (TR) TS	.8				0	1	0	0	0				—	113	8	
	SA (TR) TS	.9				0	1	0	0	0				—	207	15	
	SA (TR) TS	.10				0	0	0	0	0				—			Point TEN, DEAD, TAG-PULLED
	SA (TR) TS	.11				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.12				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.13				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.14				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.15				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.16				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	.17				0	0	0	0	0				—			DEAD, TAG-PULLED
	SA (TR) TS	2280				0	1	0	0	0				—	193.8	18	

Woody Vegetation

Pepperwood Preserve
TBC3 Long-term Vegetation Monitoring Project

Plot ID 1345

Sampler(s) M0, 6H, 7I, MK

Date 7/2/19

Notes

Quad	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	Basal	Epicoemic	Apical	% Living Canopy	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
A4	SA (TR) TS	2280.1			HETARB	0	0	0	0	0				—			DEAD, TAG PULLED
A4	SA (TR) TS	22				0	0	0	0	0				—			DEAD, TAG PULLED
A2	SA (TR) TS	2273				0	1	0	0	0				—	123	10	
	SA (TR) TS	1				0	1	0	0	0				—	187.4	4	
	SA (TR) TS	2				0	1	0	0	0				—	208.5	6	
	SA (TR) TS	3				0	0	0	0	0				—			DEAD, TAG RULED
	SA (TR) TS	4				0	1	0	0	0				—	164.5	3	
	SA (TR) TS	5				0	0	0	0	0				—			GONE
	SA (TR) TS	6				0	1	0	0	0				—	161.3	15	
	SA (TR) TS	7				0	0	0	0	0				—			DEAD, TAG PULLED
	SA (TR) TS	8				0	0	0	0	0				—			DEAD, TAG PULLED
	SA (TR) TS	9				0	0	0	0	0				—			DEAD, TAG PULLED
	SA (TR) TS	10				1	0	0	1	4				2.7			Point TEN
	SA (TR) TS	11				0	0	0	0	0				—			DEAD, TAG PULLED
	SA (TR) TS	12				0	0	0	0	0				—			GONE
	SA (TR) TS	2275				0	1	0	0	0				—	142.4	18	
	SA (TR) TS	2235			UMBACAL	1	0				114.2	0.63	4				Resprout BD
	SA (TR) TS	2269			UMBACAL	0	1				—	0.56	—		89.3	3	Resprout BD
	SA (TR) TS	2256			HETARB	0	1	0	0	0				—	192.9	15	
	SA (TR) TS	2265				0	1	0	0	0				—	129.4	21	
	SA (TR) TS	1				0	0				—	—	—				NO TAG
	SA (TR) TS	2264				0	1	0	0	0				—	160.1	8	
	SA (TR) TS	1				0	1	0	0	0				—	163.2	12	
	SA (TR) TS	2				0	1	0	0	0				—	165.4	4	
	SA (TR) TS	3				0	1	0	0	0				—	152.6	2	
	SA (TR) TS	2263				1	1	0	1	2				3.23	177.4	13	
	SA (TR) TS	1				1	1	0	1	3				3.41	177.3	8	
	SA (TR) TS	2				0	1	0	0	0				1.79	161	4	

TBC3 Long-term Vegetation Monitoring Project

Plot

ID 1345

Sampler(s) MK MO GH TT

Date

7-2-19

Notes

Quadrat	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	Basal Area	Epiphytic	Apical	% Living	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
D4	SA TR TS	1917			HETARB	1	0				54.1	.51	2				Tag removed NOT FOUND
D4	SA TR TS	1918			HETARB	1	0				57.8	.41	0				
D4	SA TR TS	1943			HETARB	1	0					.28	0		39.7	0	Old Dead
D4	SA TR TS	1920			QUEAGR	1	0	1	1	4			0	29			Could be QUEAGR X D
D4	SA TR TS	1940			QUEAGR	1	0	1	1	4			0	18			SNAG NOT TAG
C4	SA TR TS	1938			QUEODU	1	0	0	0	0							
C4	SA TR TS	1939			QUEODU	0	0	0	0	0							
C4	SA TR TS	1941			AREMAN	0	0	0	0	0							
C4	SA TR TS	1942			AREMAN	0	0	0	0	0							
C3	SA TR TS	1936			QUEODU	1	0	1	1	4				23			
C3	SA TR TS	1937			QUEAGR	1	0				76.3	.82	6				
C3	SA TR TS	1910			HETARB	0	1					.89			49	0	.39 removed
C1	SA TR TS	1934			AREMAN	1	0	0	1	3				21.0			
C1	SA TR TS	1911				0	0	0	0	0				16			
C1	SA TR TS	1912				1	0	0	1	3				14.7			
C1	SA TR TS	1913				0	0	0	0	0				8.5			
C1	SA TR TS	1914				1	0	0	1	2				6.5			new point 4
C1	SA TR TS	5594	100	50	QUEODU	1	0	1	1	2				15.5			
C1	SA TR TS	1906			UMBOAI	0	1					.47	0		42	0	
C1	SA TR TS	1915			HETARB	0	1					.48			46		
C1	SA TR TS	1932			UMBOAI	1	0				80.1	.56	4				
C1	SA TR TS	1933			HETARB	0	1					.38			40.2	0	Old Dead Resprout
B1	SA TR TS	2239			HETARB	0	1	0	0	0					120.4	3	
B1	SA TR TS	1911			HETARB	0	1	0	0	0					120	5	
B1	SA TR TS	1912			HETARB	0	1	0	0	0					119.4	4	
B1	SA TR TS	2241			HETARB	0	1	0	0	0					150	19	
B1	SA TR TS	1911				0	1	0	0	0					98.6	2	
B1	SA TR TS	1912				0	1	0	0	0					180.2	4	

Woc y Vegetation

Pepperwoc reserve

TBC3 Long-term Vegetation Monitoring Project

Plot

ID 1345

Sampler(s) M0, G4, T1, MK

Date

7/2/19

otes 224618 DBH possibly includes P.O.

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Surv ival	Basal	Epico rmic	Apica l	% Livin g	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
A-2	SA (R) TS	22633			HETARB	0	1	0	0	0					160	6	
	SA (R) TS	4				1	1	0	1	3				4.6	181.6	9	
	SA (R) TS	15				0	1	0	0	0					147.2	4	
	SA (R) TS	16				0	1	0	0	0				2.81	107	3	
	SA (R) TS	17				0	1	0	0	0					157	9	
	SA (R) TS	2270			QUEAGR	1	0				66.7	0.3	3				Resprout BD
	SA (R) TS	2271			QUEAGR	0	0										
	SA (R) TS	2272			HETARB	0	0										DEAD, THROWN
	SA (R) TS	2262			UIMBAC	1	1	1	0	1				6.8	266.1	4	
	SA (R) TS	2268			UIMBAC	1	0				161.2	0.96	5				Resprout BD
	SA (R) TS	2261			HETARB	1	0				93.7	0.6	9				Resprout BD
	SA (R) TS	2766			HETARB	1	1										NOT Found
	SA (R) TS	2260			HETARB	0	1					124			77.3	1	Resprout BD 0.46
A1	SA (R) TS	2267			HETARB	0	1					2.04			137.5	8	Resprout BD 0.71
A1	SA (R) TS	2260			QUEAGR	0	1					0.53			17.5		Resprout BD 0.12
B4	SA (R) TS	2246			QUEAGR	1	0	1	1	3				33.7			QUEAGR not pr
B3	SA (R) TS	5593	80	499	HETARB	0	1					0.32			48.5		Resprout BD
	SA (R) TS	2252				0	1	0	0	0					172.1	2	
	SA (R) TS	1				0	1	0	0	0					110.6	7	
B4	SA (R) TS	2242				0	1	0	0	0					145.0	39	
	SA (R) TS	1				0	0	0	0	0							Tag pulled
	SA (R) TS	2				0	0	0	0	0							
	SA (R) TS	3				0	0	0	0	0							
	SA (R) TS	2249			QUEAGR	1	0	1	1	4				23.3			
	SA (R) TS	2247			HETARB	0	1	0	0	0					150.3	7	
	SA (R) TS	2245			UIMBAC	0	1	0	0	0					83.9	2	
	SA (R) TS	2243			QUEAGR	0	1	0	0	0					105.1	2	
	SA (R) TS	1				0	0	0	0	0							Tag Pulled

Plot ID 1345 Sampler(s) MK MD GH TT Date 7.2.19

Notes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	Basal	Epico mic	Apica l	% Livin g Cano	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
B1	SA (TR) TS	22413			HETARB	0	0	0	0	0							TAG PULLED
B1	SA (TR) TS	22414			HETARB	0	0							1.21	151.6	3	
B1	SA (TR) TS	5595	205	203	UMBRAL	0	1	0	0	0				41.6			
	SA (TR) TS	2257			QUEFAR	1	0	1	1	4				39.1			
	SA (TR) TS					1	0	1	1	4				20.5			
	SA (TR) TS					1	0	1	1	3					120.5	1	
	SA (TR) TS	2240			HETARB	0	1										
	SA (TR) TS					0	0								182	6	
	SA (TR) TS					0	1								146.2	12	
	SA (TR) TS					0	0										
	SA (TR) TS					0	0							6.5	202.4	9	
	SA (TR) TS	2295			QUEGAR	1	1	1	1	3				25.5	55.8	1	10/18/88 Tree 1295
B2	SA (TR) TS	2293			QUEGAR	1	0	1	1	4				19.3			5593 replaced with BD of resprout
	SA (TR) TS	2289			QUEFAGRI	1	0								123.5	7	
	SA (TR) TS	2294			HETARB	0	0	0	0	0							
	SA (TR) TS					0	0	0	0	0							
	SA (TR) TS					0	0	0	0	0							
	SA (TR) TS	5593	35	326	HETARB	0	1					1.46			105.3	4	BD of 06
	SA (TR) TS	2292			HETARB	0	1								17.7	11	
	SA (TR) TS	2290			HETARB	0	1								138.2	9	
	SA (TR) TS					0	0	0	0	0							
	SA (TR) TS					0	1								141.6	11	
	SA (TR) TS					0	0										
	SA (TR) TS					0	0								27	136	
	SA (TR) TS					0	0										
	SA (TR) TS					0	0										
	SA (TR) TS					0	0										
	SA (TR) TS					0	0										
	SA (TR) TS	2296			HETARB	0	1								129.6	9	TAG PULLED

Woody Vegetation TBC3 Long-term Vegetation Monitoring Project 'Pepperwood' Preserve

Plot ID B45 Sampler(s) M.G.H, T.T, M.K Date 7/2/19

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Surv ival	Basal	Epico rmic	Apica l	% Livin g Cano	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
B4	SA (TR) TS	2244			UMPEAL	0	1	0	0	0				—	147.6	5	
B3	SA (TR) TS	2251			—	0	1	0	0	0				—	146.3	5	
	SA (TR) TS	2250			HETARB	0	1	0	0	0					128.3	17	
	SA (TR) TS	2248			QUEALR	0	1				—	0.79	—		45.1	0	Basal resprout is 0.2
	SA (TR) TS	2254			QUEGAR	1	0	0	1	4				34.4			
	SA (TR) TS	2286			HETARB	0	1	0	0	0				—	121.0	19	
B2	SA (TR) TS	.1			—	0	0	0	0	0				—	180.3	8	Tag-pulled
B3	SA (TR) TS	2253			—	0	1	0	0	0				—	249.0	34	
	SA (TR) TS	.1			—	0	0	0	0	0				—			Dead zone, no tag
	SA (TR) TS	.2			—	0	1	0	0	0				—	180.9	19	
	SA (TR) TS	.3			—	0	1	0	0	0				—	180.9	7	Can't find
	SA (TR) TS	2284			—	0	1	0	0	0				—			
	SA (TR) TS	.1			—	0	0	0	0	0				22.1	94.0	7	
	SA (TR) TS	.2			—	0	1	0	0	0				—	209.5	15	
	SA (TR) TS	.3			—	0	1	0	0	0				2.87	207	10	
	SA (TR) TS	.4			—	0	1	0	0	0				2.61	180.1	8	
	SA (TR) TS	2283			—	0	1	0	0	0				—			Tag Pulled
	SA (TR) TS	.1			—	0	0	0	0	0				—			Gone
	SA (TR) TS	.2			—	0	0	0	0	0				—			Gone
	SA (TR) TS	.3			—	0	0	0	0	0				—			Gone
	SA (TR) TS	2282			QUEALR	0	1	0	0	0				—	120.1	2	
	SA (TR) TS	2288			QUEGAR	1	0	0	1	4				31.8			
	SA (TR) TS	2281			—	1	0	0	1	4				23.6			
	SA (TR) TS	2255			HETARB	0	1	0	0	0				—	117.5	2	
	SA (TR) TS	.1			—	0	1	0	0	0				1.34	124.1	3	
	SA (TR) TS	2236			—	0	1	0	0	0				—	155.0	10	
	SA (TR) TS	.1			—	0	0	0	0	0				—			Gone
	SA (TR) TS	2237			ARC MAN	0	0	0	0	0				—			Tag pulled

Plot ID

1345

Sampler(s)

MK, MQ, GH, TT

Date

7.2.19

Notes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Surv ival	Basal	Epico rmic	Apica l	% Livin g	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal respout (height)	Basal Respout count	Notes
P2	SA (TR) TS	2285.1			HETARB	0	1	0	0	0					143.4	11	
	SA (TR) TS	2				0	1	0	0	0					120.4	14	
	SA (TR) TS	3				0	1	0	0	0					110.2	6	
	SA (TR) TS	4				0	1	0	0	0					124.3	6	
	SA (TR) TS	5				0	1	0	0	0					138	12	
	SA (TR) TS	6				0	1	0	0	0					136.4	12	
	SA (TR) TS	7				0	0	0	0	0							
	SA (TR) TS	8				0	0	0	0	0							
	SA (TR) TS	2291			HETARB	0	0	0	0	0					200.4	30	
	SA (TR) TS	1				0	0	0	0	0							
	SA (TR) TS	2				0	0	0	0	0							
	SA (TR) TS	3				0	0	0	0	0							
	SA (TR) TS	2296			HETARB	0	0	0	0	0					123.8	5	
	SA (TR) TS	1				0	0	0	0	0							
	SA (TR) TS	2				0	0	0	0	0							
	SA (TR) TS	3				0	0	0	0	0							
	SA (TR) TS	5590	250	103	HETARB	0	1	0	0	0		.40			86	2	TAG Not Found
	SA (TR) TS	5589	250	103	HETARB	0	1	0	0	0		1.02			118.4	4	BD of respout RD of respout TAG Pulled
	SA (TR) TS	2297			PSEMIEN	0	0	0	0	0					176.5	7	
	SA (TR) TS	2298			HETARB	0	1	0	0	0					168.6	11	
	SA (TR) TS	1				0	1	0	0	0							
	SA (TR) TS	2				0	0	0	0	0							
	SA (TR) TS	3				0	0	0	0	0							
	SA (TR) TS	2299			HETARB	0	0	0	0	0					149	7	TAG 6000 / Dead TAG Pulled
	SA (TR) TS	1				0	0	0	0	0							
	SA (TR) TS	2300			HETARB	0	0	0	0	0							
	SA (TR) TS	1				0	0	0	0	0							
	SA (TR) TS	2				0	0	0	0	0							
	SA (TR) TS	1901			HETARB	0	1	0	0	0					119.2	9	

[illegible]