

## Plot Information

Pepperwood Preserve  
TBC3 Long-term Vegetation Monitoring ProjectPlot ID 1350 Date 8-9-19 Samplers MO, MK,  
Notes old Hobo fail

## Plot level data

## SOD

☐ Bay ☒ moss  
☐ Oak ☒ liverwort  
☒ Tennis balls

## LICHEN

☒ Ramalina ☐ Crustose  
☒ Usnea ☒ FolioseHobo downloaded ☒ ☐☐ Origin corner tag☒ Powdery Mildew☐ Misteltoe ☐ PIC

Quads Completed:

Start Tag:

End Tag:

☒ Counts open ☐ Counts closedB2SW-W51, S11, E2, N7 B4SW-W3, E4, S2, N8 D2SW-W8, S6, E9, N6 D4SW-W6, S7, E3, N12  
C3SW(center)-W9, S5, E4, N10

## Environmental Notes:

Quad	% Bedrock	% Soil	% Boulder	% Fine	% Herb	% Litter	Total	Notes
A1	0	5	5	15	40	35	100	
A2	0	8	5	17	20	50	100	
A3	0	10	0	25	20	45	100	
A4	0	15	0	20	25	40	100	
B1	0	7	8	35	25	25	100	
B2	0	5	5	15	35	40	100	
B3	0	5	0	15	25	55	100	
B4	0	6	0	10	45	39	100	
C1	0	5	5	25	30	35	100	
C2	0	0	0	10	55	35	100	
C3	0	9	0	23	38	30	100	
C4	0	15	0	20	15	50	100	
D1	0	5	0	35	30	30	100	
D2	0	2	0	25	40	33	100	
D3	0	5	0	10	60	25	100	
D4	0	5	0	2	30	63	100	

2-4181 4198-4

## Seedling Log

Pepperwood Preserve

TBC3 Long-term Vegetation Monitoring Project

Plot ID 1350Sampler(s) MO NKOUH ENT

Date

12 AUG 2019

Notes

Quad	Species	No. SE <10cm	No. JU 10- 50cm	No. SE +JU Dead	Comments
D1	UMB CAL		..		
	QUAARI	°			
	HEIARB	..			
	PSEMN	°			
C1	AMOCAL		□		
D2	AMOCAL		..		
	PSEMN	°			
	UMB CAL		°		
	HEIARB	°			
B1	AMOCAL		..		
	HEIARB	°			
A1	HEIARB	□			
	BAC PL		°		
	AMOCAL		..		
D3	AMO	°	..		
	UMB CAL		°		
D4	HEIARB	:			
B2	QUAARI		°		
	HEIARB	□□□□	°		
	PSEMN	°			
C4	HEIARB	..			
	PSEMN	°			
C2	PSEMN	°			
B4	HEIARB	..	°		
	PSEMN	°			
C2	AMOCAL		□ ..		
B3	HEIARB		°		
C3	AMOCAL		..		
	QUAARI		°		
A4					
A7	HEIARB	..	°		
A7	UMB CAL		°		

A	B	C	D
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X

Number 6 \*  
Woody Vegetation

Pepperwood Preserve  
TBC3 Long-term Vegetation Monitoring Project

Plot ID 1350      Sampler(s) MK MO CVH      Date 8.9.19

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 Resprout count	Notes
AH	SA TR TS	4179			PSMEN	1	0	0	1	4				42.3			
C	SA TR TS	4154			PSMEN	1	0	0	1	4				57.3			
	SA TR TS	4171			PSMEN	1	0	0	1	4				32			
	SA TR TS	4192			PSMEN	1	0	0	1	4				29.4			
	SA TR TS	4199			HJMB	0	1							157.25	20/50		T.P.
	SA TR TS	4199.1			↑	0	0										T.P.
	SA TR TS	4199.2			↑	0	0										T.P.
	SA TR TS	4199.3			HJMB	0	0										
	SA TR TS	4199.4			PSMEN	0	0										T.P.
	SA TR TS	4199.5			↑	0	1								51	21/50	NEED NEW TAGS
	SA TR TS	4199.6			↑	0	0										T.P.
	SA TR TS	4199.7			↑	0	0										T.P.
	SA TR TS	4199.8			↑	0	1								98.6	3/50	
	SA TR TS	4199.9			↑	0	0										T.P.
	SA TR TS	4199.10			↑	0	0										T.P.
	SA TR TS	4199.11			PSMEN	0	0										
	SA TR TS	4199.12			PSMEN	1	0	0	1	3				12.3			
	SA TR TS	4199.13			PSMEN	1	0	0	1	3				17.5			ASPECT of BP
	SA TR TS	4199.14			QUECEL	1	0	1	0					19.9	184.1	39/50	NO TAG
	SA TR TS	4199.15			QUECEL	0	0	0	1	3							Top
	SA TR TS	4199.16			PSMEN	1	0	0	1	3							Moving tag to B. Street
	SA TR TS	4199.17			↑	0	1								170.2	21/50	
	SA TR TS	4199.18			↑	0	1										
	SA TR TS	4199.19			QUECEL	1	1	1	1	4				21	1	0/50	
	SA TR TS	4199.20			QUECEL	1	1	1	1	4				15	1	0/50	
	SA TR TS	4199.21			PSMEN	1	0	0	1	3				19.6			
	SA TR TS	4199.22			PSMEN	1	0			3				19.6			

## Woody Vegetation

Pepperwood Preserve  
TBC3 Long-term Vegetation Monitoring Project

Plot

ID 1350

Sampler(s) MO, L-H, MK, CH

Date

8-12-19

Notes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Surv ival	Basal Area	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
B4	SA (TR) TS	4290			PSEMEU	1	0	0	1	3				29.7			
	SA (TR) TS	4289			HETARB	0	1	0	0	0					169.8	14	
	SA (TR) TS	.1				0	0	0	0	0							Tag pulled
	SA (TR) TS	.2				0	0	0	0	0							Tag pulled
	SA (TR) TS	.3				0	1	0	0	0					181.1	12	
	SA (TR) TS	.4				0	0	0	0	0							Tag Pulled
	SA (TR) TS	.5				0	0	0	0	0							Tag pulled
	SA (TR) TS	.6				0	1	0	0	0					124.7	14	
	SA (TR) TS	.7				0	0	0	0	0							Tag pulled
	SA (TR) TS	.8				0	0	0	0	0							Tag Pulled
	SA (TR) TS	.9				0	1	0	0	0					145.4	2	
	SA (TR) TS	.11				0	1	0	0	0					166	6	Tag Says 10
	SA (TR) TS	4291				0	1	0	0	0					130.2	14	
	SA (TR) TS	.1				0	0	0	0	0				3.71			Tag pulled
	SA (TR) TS	.2				0	1	0	0	0					160.6	15	
	SA (TR) TS	.3				0	0	0	0	0							Tag pulled
	SA (TR) TS	.4				0	1								142.3	11	
	SA (TR) TS	4297			QUEGAR	1	1	1	1	4				20.8	84.9	21	
	SA (TR) TS	4299			HETARB	0	1	0	0	0					118.5	8	
	SA (TR) TS	.1				0	0	0	0	0							Tag pulled
	SA (TR) TS	.2				0	0	0	0	0							Tag Pulled
	SA (TR) TS	.3				0	1	0	0	0					203.0	48	
	SA (TR) TS	.4				0	0	0	0	0							Tag Pulled
	SA (TR) TS	.5				0	0	0	0	0							Tag Pulled
	SA (TR) TS	.6				0	1										Tag Pulled
B3	SA (TR) TS	4285			AMOCAL	1	0				159.1	0.7	13		136.8	5	BD BSPT
B3	SA (TR) TS	4298			QUEGAR	1	1	1	1	3				18.2	74.5	6	
B3	SA (TR) TS	4286			AMOCAL	1	0				144.5	0.58	21				BD BSPT

# Woody Vegetation

## Pepperwood Preserve TBC3 Long-term Vegetation Monitoring Project

Plot

ID 1350

Sampler(s) MCGH, MK, CH

Date 8-12-19

Notes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Surv ival	Basal area	Epico rmonic	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
03	SA TR TS	42915			AMOCAL	1	0				143.2	0.74	4				BD of BSPT
1	SA TR TS	6050				1	0				97.3	0.49	3				BD of BSPT
	SA TR TS	42914				1	0				129.4	0.59	5				
	SA TR TS	6051				1	0				116.8	0.63	2				
	SA TR TS	6053				1	0				172.0	0.96	12				
	SA TR TS	6052				1	0				114.9	0.56	11				
	SA TR TS	6099	65	279		1	0				62.3	0.39	12				New SA
	SA TR TS	6910	145	260		1	0				66.3	0.35	13				New SA
	SA TR TS	6911	25	239		1	0				50.2	0.44	6				New SA
	SA TR TS	6054				1	0				127.1	0.67	9				BD of BSPT
	SA TR TS	4312				1	0				173.0	0.89	31				
	SA TR TS	4280				1	0				116.9	0.6	13				
	SA TR TS	4301			HETARB	0	1	0	0	0					107.2	9	Not found
	SA TR TS	4303			AMOCAL	1	0				225.4	0.98	15				BD BSPT
	SA TR TS	4302				1	0				146.3	0.60	6				
	SA TR TS	4305				1	0				160.4	0.75	5				
	SA TR TS	4304			PSEMEM	1	0	0	1	3				42.3			
	SA TR TS	4311			AMOCAL	1	0				118.0	0.58	15				BD BSPT
	SA TR TS	4307			AMOCAL	0	1	0	0	0					131.5	8	
	SA TR TS	6056			AMOCAL	1	0				163.2	0.73	13				BD of BSPT
	SA TR TS	6055				1	0				168.8	0.75	23				BD BSPT
	SA TR TS	6912	240	95		1	0				68.6	0.41	6				New SA
	SA TR TS	4306				1	0				161.4	0.99	8				BD BSPT
	SA TR TS	4279				1	0				111.6	0.98	12				BD BSPT
	SA TR TS	4309				1	0				167.3	0.59	8				BD BSPT
	SA TR TS	6057				1	0				120.8	0.65	16				
	SA TR TS	4313				1	0				138.2	0.76	10				

# Woody Vegetation

## Pepperwood Preserve

### TBC3 Long-term Vegetation Monitoring Project

Plot

ID B50

Sampler(s) MO, GH, MK, CH

Date

8-12-19

Notes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	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
D3	SA TR TS	4284			UMBAL	0	0										Tag pulled
D3	SA TR TS	4293			J	0	0										J
D2	SA TR TS	4314			PSEMEN	0	0	0	0	0							
	SA TR TS	6913	153	480	AMOCAL	1	0				56.3	.30	13				
	SA TR TS	4316			AMOCAL	1	0				145.8	.80	8				BDBSPT
	SA TR TS	4315			HETARD	0	1	0	0	0					76.0	5	
	SA TR TS	4317			J	0	1								123.6	4	
	SA TR TS	4318			PSEMEN	0	0	0	0	0							TAG Pulled
	SA TR TS	6058			AMOCAL	1	0				79.0	.43	9				BDBSPT
	SA TR TS	6914	159	211	AMOCAL	1	0				74.1	.44	3				
	SA TR TS	4329			AMOCAL	1	0				106.9	.70	16				BDBSPT
	SA TR TS	4333			HETARD	0	1	0	0	0					120.5	24	
	SA TR TS	4331			J	0	0	0	0	0							TAG Pulled
	SA TR TS	4332			J	0	0	0	0	0					148.6	17	TAG Pulled
	SA TR TS	4333			J	0	0	0	0	0							TAG Pulled
	SA TR TS	4334			J	0	0	0	0	0					148.4	17	
	SA TR TS	4335			J	0	1	0	0	0							
	SA TR TS	6915	148	53	AMOCAL	1	0				115.9	.62	7				
	SA TR TS	4332			AMOCAL	1	0				100.4	.50	5				BDBSPT
	SA TR TS	4326			PSEMEN	0	0	0	0	0							TAG Pulled
	SA TR TS	4325			PSEMEN	0	0	0	0	0							TAG Pulled
D2	SA TR TS	4321			UMBAL	0	1	0	0	0					93.6	5	
	SA TR TS	4328			UMBAL	0	1	0	0	0					152.4	4	
	SA TR TS	4324			FRACAL	1	0				60.7	.41	2				BDBSPT
	SA TR TS	4319			AMOCAL	1	0				147.2	.66	14				BDBSPT
	SA TR TS	4323			AMOCAL	1	0				176.6	.89	26				BDBSPT
	SA TR TS	4316	299	161	AMOCAL	1	0				87.6	.42	2				
D1	SA TR TS	4263			AMOCAL	1	0				155.6	.88	12				BDBSPT

SP in 2018 FRACAL

Woody Vegetation

Plot

ID 1350

Sampler(s) MQ, MK, CH, GH

Date 8-12-19

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 resprout (height)	Basal Resprout count	Notes
D1	SA TR TS	4337			PSEMEU	0	0	0	0	0							TAG Pulled
	SA TR TS	4338				0	0	0	0	0							I
	SA TR TS	4336			HETARB	0	1	0	0	0					149.9	8	
	SA TR TS	.1				0	1	0	0	0					135.0	15	
	SA TR TS	.2				0	0	0	0	0							TAG Pulled
	SA TR TS	.3				0	0	0	0	0							I
	SA TR TS	4340				0	0	0	0	0					184.1	16	
	SA TR TS	.1				0	0	0	0	0							TAG Pulled
	SA TR TS	.2				0	1	0	0	0					191.5	16	
	SA TR TS	.3				0	0	0	0	0							TAG Pulled
	SA TR TS	.4				0	0	0	0	0							TAG Pulled
	SA TR TS	.5				0	1	0	0	0					197.6	6	
	SA TR TS	.6				0	1	0	0	0					112.7	7	
	SA TR TS	.7				0	0	0	0	0							TAG Pulled
	SA TR TS	.8				0	1	0	0	0					136.2	12	
	SA TR TS	.9				0	0	0	0	0							TAG Pulled
	SA TR TS	4343			QUEAGRI	1	0	1	1	3				19.8			Purd / above TAG in Ground
	SA TR TS	4344			HETARB	0	0	0	0	0							
	SA TR TS	.1				0	1	0	0	0					73.4	8	
	SA TR TS	.2				0	1	0	0	0					87.5	3	
	SA TR TS	4335			Unknown	0	0	0	0	0							TAG Pulled
	SA TR TS	6059			AMOCAL	1	0	0	0	0	151.5	.67	3				
C3	SA TR TS	4271			PSEMEU	1	0	0	1	4				32.9			
	SA TR TS	4272				1	0	0	1	4				50.3			
	SA TR TS	4097			HETARB	1	0	0	0	0	69.4	.68	9				BDBSPT
	SA TR TS	4283			AMOCAL	0	0	0	0	0							TAG Pulled
	SA TR TS	4282			HETARB	0	0	0	0	0							I
	SA TR TS	4275			AMOCAL	1	0	0	0	0	125.8	.62	21				BDBSPT

# Pepperwood Preserve TBC3 Long-term Vegetation Monitoring Project

Sampler(s)	mo/wk ch' 6H

8-12-2019

otes

[illegible]



# Woody Vegetation

## Pepperwood Preserve

### TBC3 Long-term Vegetation Monitoring Project

Plot ID

1350

Sampler(s)

NO MK CVH GH

Date

12 AUG 2019

Notes

4176 not found in 18 - new tag placed and put on ground outside line. 2019 pulled DWP - replace 2018 Data 3/00

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	Basal	Epico rmic	Apica	% Living	SA or Stump Height (cm)	SA or Stump BD (cm)	SA Stem #	DBH (cm)	Basal resprout (height)	Basal Resprout count	Notes
NV	SA TR TS	4171			PSMEN	1	0	0	1	4				45.2			NOT AT 1490 - SAME AS 14
AV	SA TR TS	4170			PSMEN	1	0	0	1	4				45.2			
	SA TR TS	4166			PSMEN	1	0	0	1	4				31.0			
	SA TR TS	4165			UMBICAL	1	0				66.5	.68	3				NO SOD
	SA TR TS	4170			UMBICAL	0	1				.74	.0	0	23.5	0/50		BD of OG at
	SA TR TS	4170															new tag in 18
	SA TR TS	4169			AMOCAL	1	0				105	.82	15				BD of SPRT
	SA TR TS	4182			AMOCAL	1	0				126.4	.95	7				BD of SPRT
	SA TR TS																
A1	SA TR TS	4107			AMOCAL	1	0				197.3	.96	17				BD of SPRT
	SA TR TS	4200			AMOCAL	1	0				192.8	1.61	11				BD of SPRT
	SA TR TS	6930			AMOCAL	1	0				156.2	.88	14				BD of SPRT
	SA TR TS	4110			AMOCAL	1	0				104.1	.58	15				BD of SPRT
	SA TR TS	4169			AMOCAL	1	0				142.7	.84	22				BD of SPRT
	SA TR TS	4117			AMOCAL	1	0				146.6	.71	8				BD of SPRT
	SA TR TS	4118			AMOCAL	1	0				97.3	.58	31				BD of SPRT
	SA TR TS	4119			AMOCAL	1	0				171.7	.9	5				BD of SPRT
	SA TR TS	4120			UMBICAL	0	1				.5			110.4	9/50		NO SOD
	SA TR TS	4194			QUEWERT	1	1	1	1	4				142.50.1	1/50		change SP in 18
	SA TR TS	4196			HEARB	0	0										OG tag moved to 1
	SA TR TS	4196.1				0	1					.98					OG tag moved from 1
	SA TR TS	4196.2				0	0										TP
	SA TR TS	4196.3				0	1										
	SA TR TS	4110			HEARB	0	0					1.0					BD of SPRT
	SA TR TS	6078			AMOCAL	1	0				82.2	.52	6				
	SA TR TS	6931			AMOCAL	1	0				129.2	.64	11				
	SA TR TS	4211			AMOCAL	1	0				64.7	.43	0				
	SA TR TS	4211			PSMEN	0	0										TY
	SA TR TS	4219			PSMEN	0	0										

457  
417

Pepperwood Preserve  
TBC3 Long-term Vegetation Monitoring Project  
Date 12 Aug 2019

**Sampler(s)**

*[Faint, illegible markings]*

Date \_\_\_\_\_

otes

Qua d	Type	Tree Tag No.	X (cm)	Y (cm)	Species	Survival	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
B1	SA TR TS	4213			PSEMAN	0	0										TP
	SA TR TS	4204			QUEAGERI	1	0	1	1	4				30.8			
	SA TR TS	4201			QUEAGERI	1	1	1	0	1				18.7	76.0	3150	
	SA TR TS	4206			QUEAGERI	1	0				68.9	1.05	11				
	SA TR TS	4205			QUEAGERI	1	0				100.5	.87	2				
	SA TR TS	4210			AMMOCAL	1	0				105	5.2	14				
	SA TR TS	4209			AMMOCAL	1	0				100.2	.5	5				
	SA TR TS	4207			AMMOCAL	1	6				87		7				
	SA TR TS	4208			AMMOCAL	1	0				62.6	.41	4				
	SA TR TS	4203	42	346	AMMOCAL	1	0				79	.52	12				TP dead (no)
	SA TR TS	4209			HG-MVB	0	0										
	SA TR TS	4211			AMMOCAL	0	0										TP
	SA TR TS	4212			PSEMAN	0	0										TP
B1	SA TR TS	4216			PSEMAN	0	0							34.7			AD of BSPET
B2	SA TR TS	4202			PSEMAN	1	0	0	1	4	182	.99	17				
	SA TR TS	4205			AMMOCAL	1	0				109	.55	7				
	SA TR TS	4204			AMMOCAL	1	0				903.5	1.05	19				
	SA TR TS	4206			AMMOCAL	1	0				111.9	.6	6				
	SA TR TS	4203	45	417	AMMOCAL	1	0								131.2	9150	
	SA TR TS	4201			HG-MVB	0	1								135.7	8150	
	SA TR TS	4095			HG-MVB	0	1								124	150	TP
	SA TR TS	4095.1			HG-MVB	0	1										
	SA TR TS	4100			AMMOCAL	1	0				105.2	.95	7				
	SA TR TS	4203			AMMOCAL	1	0				100.4	.6	4				BD of SPET / NO
B2	SA TR TS	4094.1			AMMOCAL	1	0										NOT KNOWN / NO
B1	SA TR TS	4206	500	370	AMMOCAL	1	0				72.1	.44	10				
B1	SA TR TS	40924	488	395	AMMOCAL	1	0				57.2	.31	7				

6027

48 0170  
50 0170  
51 0170

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# Woody Vegetation

## Pepperwood Preserve TBC3 Long-term Vegetation Monitoring Project

Plot ID 1350

Sampler(s) MD MK CH OH

Date 12 Aug 2019

notes

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 resrpout (height)	Basal Resrpout count	Notes
C1	SA TR TS	41224			7	0	0										TP
	SA TR TS	4160			7	0	0										TP
	SA TR TS	4220			7	0	0										TP
	SA TR TS	4219			7	0	0										TP
	SA TR TS	4141			7	0	0										TP
	SA TR TS	4224			7	0	0										TP
	SA TR TS	4219			7	0	0										TP
	SA TR TS	4228			7	0	0										TP
	SA TR TS	4213			7	0	0										TP
	SA TR TS	4226			7	0	0										TP
	SA TR TS	4234			7	0	0										TP
	SA TR TS	4224			7	0	0										TP
	SA TR TS	4225			7	0	0										TP
	SA TR TS	4230			7	0	0										TP
	SA TR TS	4235			7	0	0										TP
	SA TR TS	4237			7	0	0										TP
	SA TR TS	4238			7	0	0										TP
	SA TR TS	4239			7	0	0										TP
	SA TR TS	4240			7	0	0										TP
	SA TR TS	4241			7	0	0										TP
	SA TR TS	4242			7	0	0										TP
	SA TR TS	4243			7	0	0										TP
	SA TR TS	4244			7	0	0										TP
	SA TR TS	4245			7	0	0										TP
	SA TR TS	4246			7	0	0										TP
	SA TR TS	4247			7	0	0										TP
	SA TR TS	4248			7	0	0										TP
	SA TR TS	4249			7	0	0										TP
	SA TR TS	4250			7	0	0										TP
	SA TR TS	4251			7	0	0										TP
	SA TR TS	4252			7	0	0										TP

X 141 262  
-60

Pepperwood Preserve  
TBC3 Long-term Vegetation Monitoring Project  
Date 12 Aug 2007

NO. 100

**Sampler(s)**

Date \_\_\_\_\_

otes

[illegible][illegible]

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

## Pepperwood Preserve

TBC3 Long-term Vegetation Monitoring Project

Mr W O W H A D H

**Sampler(s)**

Date \_\_\_\_\_

otes

[illegible]

$$\begin{array}{r} 58 \\ \times 440 \\ \hline 2520 \\ 2520 \\ \hline 25200 \end{array}$$