Ground Cover Type	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Mean April 16
	tenuiculme											
Native forbs and other spp.	*Pimelea liniifolia*						2.5		2.5			1
	Cassytha glabella	0.5	1		0.5	0.5	0.5					
	Selaginella uliginosa						1					
	Patersonia sericea							0.5				
	Pseudanthus orientalis								0.5			
Native shrubs ,<1m	*Boronia falcifolia*				1	1		0.5			5	22.05
	Baeckea imbricata							0.5	2.5	2.5		
	Baeckea frutescens			20	5		5					
	Leucopogon leptospermoides		0.5		20	0.5				5		
	Banksia oblongifolia		1	10			10	35	50	20		
	Strangea linearis				2.5							
	Leptospermum liversidgei										5	
	Leptospermum semibaccatum	5	1		1							
	Dilwynnia floribunda							0.5			5	
	Epacris pulchella	1		2.5								
	Sprengelia sprengellioides	1										
	Olax retusa								1			
Grass Tree	*Xanthorrhoea fulva*	40	20			50	10	10		20	15	16.5
Bare Ground												0
Leaf litter		22.5	36.5	48	19	27.5	43	17	23.5	20.5	49	30.65
Timber (>/= 10cm)												
Total		100	100	100	100	100	100	100	100	100	100	100%

October 2017

Ground Cover Type	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Mean April 16	Mean Sept. 16
Native perennial grass / sedges	*Caustis recurvata*	2.5	5	5	5	10	2.5	5	5	10	20	29.8	30.0
	Sprodanthus interuptus	20	25	30	35	5	30	10		25	20		

Ground Cover Type	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Mean April 16	Mean Sept. 16
	Baloskion tenuiculme										2.5		
	Lomandra elongata				5					10			
	Lomandra sp. (divided)		0.5	2.5	2.5	1	1		5				
Native forbs and other spp.	*Pimelea liniifolia*						2.5	1	1			0.85	1.2
	Stackhousia nuda		1							1	1		
	Burchardia umbellata									0.5			
	Cassytha glabella								2.5				
	Sellaginella uliginosa			0.5			1						
Native shrubs ,<1m	*Boronia falcifolia*								5			22.05	19.8
	Baeckea imbricata		1						1	2.5			
	Baeckea frutescens			20	10		5		2.5		1.5		
	Leucopogon leptospermoides	2.5		5	2.5	1				1			
	Banksia oblongifolia		2.5	5		5	10	40	40				
	Strangea linearis	5			5	2.5							
	Homoranthus virgatus									1			
	Epacris pulchella	0.5											
	Leptospermum liversidgei								5				
	Leptospermum semibaccatum	2.5	2.5										
	Ochrosperma lineare							2.5					
	Dilwynnia floribunda						2.5	1	2.5	2.5			
Grass Tree	*Xanthorrhoea fulva*	20	15			60	10	10		10	20	16.5	14.5
Cryptogams													
Bare Ground					2.5	2.5					2.5	0	0.75
Exotic Shrubs	*Pinus elliotii*												
Leaf litter		47	47.5	32	32.5	13	35.5	30.5	30.5	36.5	32.5	30.65	33.75

Ground Cover Type	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Mean April 16	Mean Sept. 16
Timber (>/= 10cm)													
Total		100	100	100	100	100	100	100	100	100	100	100%	100%

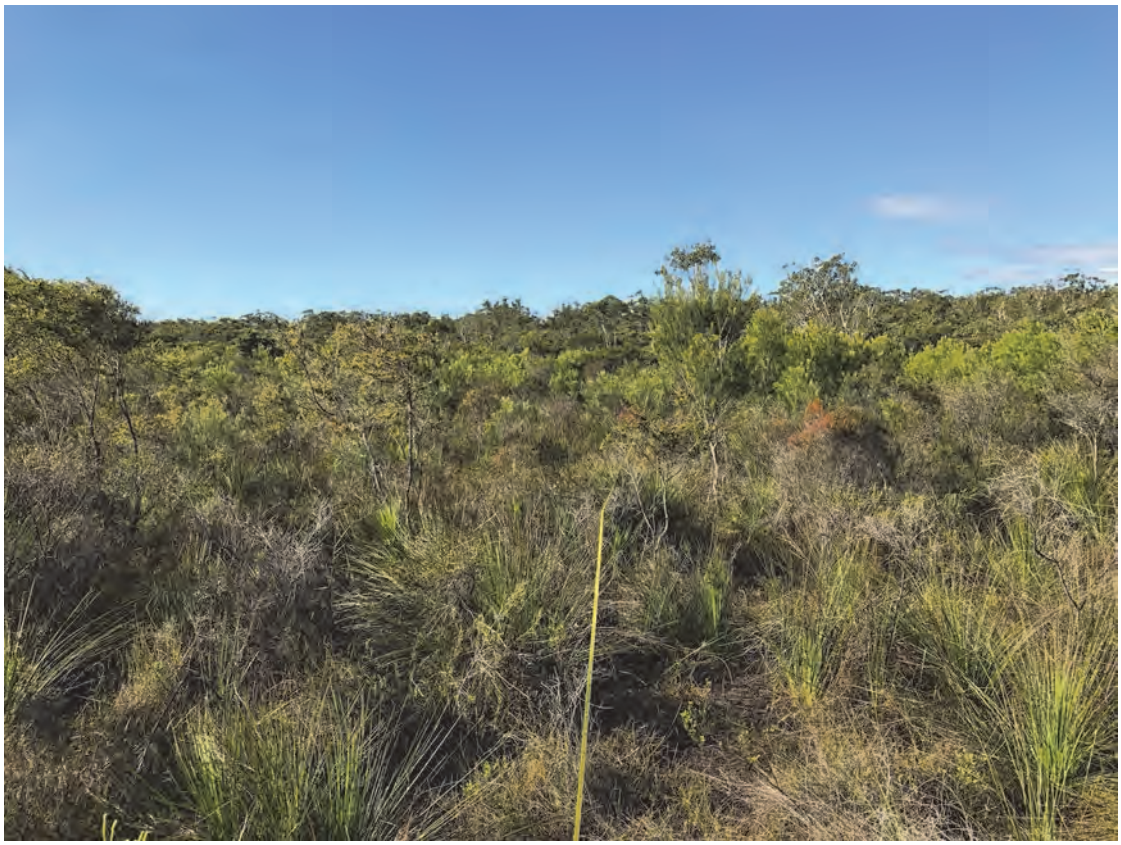
Additional Species: *Olax retusa, Hypolaena fastigiata*, *Xyris complanata, Pinus elliotii***, Drosera binata, , Schoenus calostachys, Stylidium tenerum.*

Structural / Floristic Summary

BioCondition Attribute		April 2017	October 2017
Native Plant Species Richness	Tree:	.	.
	Shrub:	13	
	Grass Tree	1	
	Grass / Sedge	7	
	Forbs and other:	9	
Total Species No**		30	
Native Shrubs	Projected Canopy Cover – Shrubs > 1m (%)	22	26
	Projected Canopy Cover – Shrubs >0.5 to <1m (%)	1	5.2
Native Ground cover (%):	Native perennial grass / sedge cover (%):	29.8	30
	Native shrubs (%)	22.05	19.8
	Grass tree	16.5	14.5
	Organic litter cover (%):	30.65	33.75
	Native forb cover (%)	1	1.2
Coarse woody debris:	Total length (m) of debris ≥ 10cm diameter and ≥0.5m in length per hectare	0	0
Non-native plant cover	Non-native Grasses%	0	0
	Non-native shrubs %	0	0

**Excludes Exotic Species

Plot 6c – Centre to Start: April 2017 (Above) and October 2017 (Below).



April 2017 (Above) and October 2017 (Below).

Plot 6c – Centre to Left: April 2017 (Above) and October 2017 (Below).

Plot 6c – Centre to Right: April 2017 (Above) and October 2017 (Below).

Appendix B – Site / Species Table

Habit	Family	Species	5a_April 2017	5b_April 2017	5c_April 2017	6a_April 2017	6b_April 2017	6c_April 2017	5a_October 2017	5b_October 2017	5c_October 2017	6a_October 2017	6b_October 2017	6c_October 2017
Forb	Blechnaceae	*Blechnum cartiligineum*			*									
Forb	Colchicaceae	*Burchardia umbellata*					*				*	*	*	*
Forb	Dilleniaceae	*Hibbertia acicularis*												
Forb	Dilleniaceae	*Hibbertia salicifolia*			*	*	*				*	*	*	
Forb	Droseraceae	*Drosera binata*	*		*			*						
Forb	Fabaceae	*Mirbellia rubiifolia*												
Forb	Iridaceae	*Patersonia sericea (fragilis)*	*	*				*	*	*	*			
Forb	Lauraceae	*Cassytha glabella*	*	*	*	*	*	*	*	*	*		*	*
Forb	Laxmanniaceae	*Laxmannia compacta*												
Forb	Laxmanniaceae	*Sowerbaea juncea*												
Forb	Orchidaceae	*Cryptostylis erecta*		*						*	*			
Forb	Phormiaceae	*Dianella caerulea (sic)*												
Forb	Picrodendraceae	*Pseudanthus orientalis*						*						
Forb	Polygalaceae	*Commosperma sphaericum*												
Forb	Selaginellaceae	*Selaginella uliginosa*					*	*					*	*
Forb	Stackhousiaceae	*Stackhousia nuda*			*	*	*				*	*	*	*
Forb	Thymeleaceae	*Pimelea linifolia*	*	*	*	*	*	*	*	*	*	*	*	*
Grass	Poaceae	*Eriachne pallescens var. gracillis*		*	*			*	*	*	*	*		*
Grass	Poaceae	*Themeda triandra*												
Grass tree	Xanthorrhoeaceae	*Xanthorrhoea fulva*	*	*	*	*	*	*	*	*	*	*	*	*
Grass tree	Xanthorrhoeaceae	*Xanthorrhoea johnsonii*	*	*					*	*				
Sedge / Rush	Cyperaceae	*Cyperus sp. (gracilis?)*												
Sedge / Rush	Cyperaceae	*Gahnia seiberiana*			*						*			
Sedge / Rush	Cyperaceae	*Hypolaena fastigiata*		*	*	*	*			*	*	*		*

Habit	Family	Species	5a_April 2017	5b_April 2017	5c_April 2017	6a_April 2017	6b_April 2017	6c_April 2017	5a_October 2017	5b_October 2017	5c_October 2017	6a_October 2017	6b_October 2017	6c_October 2017
Sedge / Rush	Cyperaceae	*Schoenus calostachys*												*
Sedge / Rush	Laxmanniaceae	*Lomandra elongata*	*	*	*	*	*	*	*	*	*	*		*
Sedge / Rush	Laxmanniaceae	*Lomandra longifolia*	*	*	*	*	*	*		*		*	*	*
Sedge / Rush	Restionaceae	*Baloskion heterophylla*												
Sedge / Rush	Restionaceae	*Baloskion tenuiculme*	*	*	*	*		*	*	*	*			*
Sedge / Rush	Restionaceae	*Caustis recurvata*	*	*	*	*	*	*	*	*	*	*	*	*
Sedge / Rush	Restionaceae	*Leptocarpus tenax*												
Sedge / Rush	Restionaceae	*Sporodanthus interuptus*	*	*	*	*	*	*	*	*	*	*	*	*
Sedge / Rush	Xyridaceae	*Xyris complanata*						*				*		
Shrub	Ericaceae	*Agiortia pedicellata*	*	*	*			*	*	*				*
Shrub	Ericaceae	*Epacris obtusifolia*					*					*	*	
Shrub	Ericaceae	*Epacris pulchella*	*	*	*		*	*	*	*	*	*	*	*
Shrub	Ericaceae	*Leucopogon leptospermoides*	*	*		*	*	*	*	*	*	*	*	*
Shrub	Ericaceae	*Monotoca scoparia##*												
Shrub	Ericaceae	*Sprengelia sprengelioides*				*	*	*	*			*	*	
Shrub	Fabaceae	*Aotus lanigera*	*			*	*	*				*	*	*
Shrub	Fabaceae	*Dillwynia floribunda*	*	*	*	*	*	*	*	*	*	*	*	
Shrub	Fabaceae	*Phyllota phylicoides*												*
Shrub	Fabaceae	*Pultenaea palaceae*				*	*						*	
Shrub	Fabaceae	*Pultenaea robusta*												
Shrub	Mimosaceae	*Acacia baueri*												
Shrub	Mimosaceae	*Acacia flavesecens*		*						*				
Shrub	Mimosaceae	*Acacia sp,*												
Shrub	Myrtaceae	*Austromyrtus dulcis*												
Shrub	Myrtaceae	*Baeckea frutescens*	*	*	*	*	*	*	*	*	*	*	*	*

Habit	Family	Species	5a_April 2017	5b_April 2017	5c_April 2017	6a_April 2017	6b_April 2017	6c_April 2017	5a_October 2017	5b_October 2017	5c_October 2017	6a_October 2017	6b_October 2017	6c_October 2017
Shrub	Myrtaceae	*Baeckea imbricata*	*			*	*	*	*		*	*	*	*
Shrub	Myrtaceae	*Homoranthus virgatus*	*						*	*				*
Shrub	Myrtaceae	*Leptospermum liversidgei*				*	*	*				*	*	*
Shrub	Myrtaceae	*Leptospermum polygalifolium*					*	*			*	*	*	*
Shrub	Myrtaceae	*Leptospermum semibaccatum*	*	*	*	*	*	*	*	*	*	*	*	*
Shrub	Myrtaceae	*Melaleuca pachyphyllus*			*						*			
Shrub	Myrtaceae	*Melaleuca quinquenervia*			*			*						*
Shrub	Myrtaceae	*Ochrosperma lineare*									*		*	
Shrub	Olacaceae	*Olax retusa*				*		*				*	*	*
Shrub	Proteaceae	*Banksia aemula*			*	*						*	*	*
Shrub	Proteaceae	*Banksia oblongifolia*				*	*	*				*	*	*
Shrub	Proteaceae	*Conospermum taxifolium*				*			*	*	*	*		
Shrub	Proteaceae	*Persoonia virgata*	*	*	*	*	*	*	*	*	*	*	*	*
Shrub	Proteaceae	*Strangea linearis*	*	*	*	*	*	*	*	*	*	*	*	*
Shrub	Rutaceae	*Boronia falcifolia*	*		*	*	*	*	*		*	*	*	*
Tree	Elaeocarpaceae	*Elaeocarpus reticulatus*						*						*
Tree	Pinaceae	*Pinus elliottii***												

Appendix C – Statistical Analysis Summary and Raw Data

Shrub Cover

Levene's Test_Shrubs > 1m

Apr 2016	Sept 2016	Apr 2017	Sept 2017		Apr 2016	Sept 2016	Apr 2017	Sept 2017
18.2	24.6	29.6	20.4	Median	20.5	17.8	21.1	20.7
19.4	18.6	20.2	24.4	Mean	21.23333	17.53333	20.5	19.96667
11.4	9.8	14	13.2	Variance	57.79867	24.93867	35.388	25.95867
21.6	15	23.2	14.8	n	6	6	6	6
22.2	20.2	14	21	df	5	5	5	5
34.6	17	22	26		Levene's			
				Test	0.138			
				p	0.936		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
					a	0.05		

Levene's Test_Shrubs >0.5 to <1m

Apr 2016	Sept 2016	Apr 2017	Sept 2017		Apr 2016	Sept 2016	Apr 2017	Sept 2017
3.8	1.6	1.6	1.8	Median	3.9	4.2	1.5	4.4
1.4	3.4	1	3.6	Mean	5.633333	5.266667	3.933333	6
2.6	1	1.4	0	Variance	18.15067	18.07467	17.81867	39.568
11	11.8	10.4	17.6	n	6	6	6	6
11	8.8	8.2	7.8	df	5	5	5	5
4	5	1	5.2		Levene's			
				Test	0.166			
				p	0.918		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
					a	0.05		

Repeat Measures ANOVA_Shrubs > 1m

	Data1	Data2	Data3	Data4	ANOVA: Two Factor Without Replication						
Control_Plot 5a	18.2	24.6	29.6	20.4	*Source of Variation*	*SS*	*df*	*MS*	F	P-Value	F crit
Control_Plot 5b	19.4	18.6	20.2	24.4	Rows	396.4283	5	79.28567	3.670727	0.023	2.901295
Control_Plot 5c	11.4	9.8	14	13.2	Columns	46.25833	3	15.41944	0.713882	0.559	3.287382
Impact_Plot 6a	21.6	15	23.2	14.8	Error	323.9917	15	21.59944			
Impact_Plot 6b	22.2	20.2	14	21							

Impact_Plot 6c	34.6	17	22	26	Total	766.6783	23				
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										

Repeat Measures ANOVA_Shrubs >0.5 to <1m

	Data 1	Data 2	Data 3	Data 4	ANOVA: Two Factor Without Replication						
Control _Plot 5a	3.8	1.6	1.6	1.8	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Control _Plot 5b	1.4	3.4	1	3.6	Rows	419.9883	5	83.99767	26.21014	0.000	2.901295
Control _Plot 5c	2.6	1	1.4	0	Columns	14.61833	3	4.872778	1.520473	0.250	3.287382
Impact_Plot 6a	11	11.8	10.4	17.6	Error	48.07167	15	3.204778			
Impact_Plot 6b	11	8.8	8.2	7.8							
Impact_Plot 6c	4	5	1	5.2	Total	482.6783	23				
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										

Stem Density

Levene's Test_Stem Density Shrubs >0.5 to <1m

	Apr-16	Sep-16	Apr-17	Oct-17		*Data1*	*Data2*	*Data3*	*Data4*
Control _Plot 5a	79	85	75	67	Median	123.5	106.5	84.5	82.5
Control _Plot 5b	80	62	68	72	Mean	129.5	102.1667	81.5	84.66667
Control _Plot 5c	51	32	33	35	Variance	4751.9	2763.767	956.3	1300.267
Impact _Plot 6a	225	177	125	142	n	6	6	6	6
Impact _Plot 6b	175	129	94	99	df	5	5	5	5
Impact_Plot 6c	167	128	94	93		Levene's			
					Test	3.433			
					p	0.037		Reject Null Hypothesis because p < 0.05 (Variances are Different)	
						a	0.05		

Repeat Measures ANOVA_Stem Density_Shrubs >0.5m_Impact Sites

	Apr-16	Sep-16	Apr-17	Oct-17
Impact_Plot 6a	225	177	125	142
Impact_Plot 6b	175	129	94	99
Impact_Plot 6c	167	128	94	93

Source of Variation	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Rows	5398.167	2	2699.083	75.032	0.000	5.1432 53
Columns	13464.67	3	4488.222	124.7691	0.000	4.7570 63
Error	215.8333	6	35.972 22			
Total	19078.67	11				

Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)

Repeat Measures ANOVA_Stem Density_Shrubs >0.5m_Control Sites

	Apr-16	Sep-16	Apr-17	Oct-17
Control _Plot 5a	79	85	75	67
Control _Plot 5b	80	62	68	72
Control _Plot 5c	51	32	33	35

Source of Variation	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Rows	3480.167	2	1740.083	35.612	0.000	5.1432 53
Columns	287.5833	3	95.861 11	1.9619 1	0.221	4.7570 63
Error	293.1667	6	48.861 11			
Total	4060.917	11				

Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)
Columns	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)

Native Perrenial Grass, Sedge, Rush Composition

Levene's Test_Native Perrenial Grass, Sedge – Rush Cover

	Apr-16	Sep-16	Apr-17	Oct-17		*42373*	*42378*	*42739*	*42745*
Control _Plot 5a	23.75	27.2	24.65	33.1	Median	26.4	28.25	25.95	29
Control _Plot 5b	33.05	28.05	27.25	33.7	Mean	27.96833	27.725	25.625	28.24167
Control _Plot 5c	26.75	28.45	31.1	28	Variance	16.81802	15.14075	20.91875	28.61842
Impact_Plot 6a	25.06	28.55	21	19.45	n	6	6	6	6
Impact_Plot 6b	26.05	21	19.95	25.2	df	5	5	5	5
Impact_Plot 6c	33.15	33.1	29.8	30		Levene's			
					Test	0.451			
					p	0.719		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Repeat Measures ANOVA_Native Grass_Sedge_Rush Cover

	Apr-16	Sep-16	Apr-17	Oct-17	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Control_Plot 5a	23.75	27.2	24.65	33.1	Rows	243.6988	5	48.73975	4.30713	0.013	2.901295
Control_Plot 5b	33.05	28.05	27.25	33.7	Columns	22.35553	3	7.451844	0.658519	0.590	3.287382
Control_Plot 5c	26.75	28.45	31.1	25.6	Error	169.7409	15	11.31606			
Impact_Plot 6a	25.06	28.55	21	19.45							
Impact_Plot 6b	26.05	21	19.95	25.2	Total	435.7952	23				
Impact_Plot 6c	33.15	33.1	29.8	30							
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Colums	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										

Groundcover Shrub Composition

Levene's Test_Groundcover Shrub Composition

	Apr-16	Sep-16	Apr-17	Oct-17		*Data1*	*Data2*	*Data3*	*Data4*
Control_Plot 5a	17.5	14.45	10.81	12.25	Median	19.81	17.6	13.975	13.025
Control_Plot 5b	22	17.85	15.45	13.8	Mean	20.60333	18.85833	14.84333	13.95
Control_Plot 5c	15.45	15.05	12.5	9	Variance	22.50963	19.42842	20.27527	15.498
Impact_Plot 6a	20.76	25.3	17.75	17.2	n	6	6	6	6
Impact_Plot 6b	18.86	17.35	10.5	11.65	df	5	5	5	5
Impact_Plot 6c	29.05	23.15	22.05	19.8		Levene's			
					Test	0.047			
					p	0.986		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Repeat Measures ANOVA_Groundcover Shrubs_Impact Site

	Data 1	Data 2	Data 3	Data 4	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Impact_Plot 6a	20.76	25.3	17.75	17.2	Rows	163.07	2	81.53501	15.15127	0.005	5.14325
Impact_Plot 6b	18.86	17.35	10.5	11.65	Columns	106.9658	3	35.65526	6.625	0.025	4.757063
Impact_Plot 6c	29.05	23.15	22.05	19.8	Error	32.288	6	5.381397			
					Total	302.3242	11				
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)										

Repeat Measures ANOVA_Groundcover Shrubs_Control Site

	Data 1	Data 2	Data 3	Data 4	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Control_Plot 5a	17.5	14.45	10.81	12.25	Rows	24.91102	2	12.45551	2.140834	0.199	5.143253
Control_Plot 5b	22	17.85	15.45	13.8	Columns	45.52269	3	15.17423	2.608124	0.147	4.757063
Control_Plot 5c	15.45	15.05	12.5	18.3	Error	34.90838	6	5.818064			
					Total	105.3421	11				
Rows	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										
Columns	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										

Forb Cover Composition

Levene's Test_Groundcover Forb Composition

Jan-16	Jan-16	Jan-17	Jan-17		*42373*	*42378*	*42739*	*42745*
1.15	0.6	0.15	0.4	Median	1.4	0.805	0.805	0.8
1.2	0.35	0.4	0.2	Mean	1.591667	1.235	0.81	0.816667
1.2	2	0.96	0.65	Variance	0.312417	0.95075	0.296	0.242667
1.8	2.85	0.65	1.5	n	6	6	6	6
2.6	0.76	1.7	0.95	df	5	5	5	5
1.6	0.85	1	1.2		Levene's			
				Test	0.427			
				p	0.736		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
					a	0.05		

Repeat Measures ANOVA_Forb Cover

Levene's Test_Groundcover Forb Composition

	Jan-16	Jan-16	Jan-17	Jan-17	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Control _Plot 5a	1.15	0.6	0.15	0.4	Rows	4.509533	5	0.901907	3.006601	0.045	2.901295
Control _Plot 5b	1.2	0.35	0.4	0.2	Columns	2.541767	3	0.847256	2.824415	0.074	3.287382
Control _Plot 5c	1.2	2	0.96	0.65	Error	4.499633	15	0.299976			
Impact_Plot 6a	1.8	2.85	0.65	1.5							
Impact_Plot 6b	2.6	0.76	1.7	0.95	Total	11.55093	23				
Impact_Plot 6c	1.6	0.85	1	1.2							
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Cannot Reject Null Hypothesis because p > 0.05 (Means are the same)										

Grasstree Cover

Levene's Test_- Grasstree Cover

	Apr-16	Sep-16	Apr-17	Oct-17		*Data1*	*Data2*	*Data3*	*Data4*
Control _Plot 5a	27	17.5	25.5	15	Median	19.55	16.75	24.5	14.75
Control _Plot 5b	5.5	6.75	10.7	7	Mean	17.85	16.45833	22.74167	14.86667
Control _Plot 5c	21.6	24	28	10.7	Variance	77.315	37.96042	62.04042	31.82667
Impact_Plot 6a	17.5	21.5	23.5	19.5	n	6	6	6	6
Impact_Plot 6b	26	16	32.25	22.5	df	5	5	5	5
Impact_Plot 6c	9.5	13	16.5	14.5		Levene's			
					Test	0.579			
					p	0.636		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Repeat Measures ANOVA_Grasstree Cover

	Data 1	Data 2	Data 3	Data 4
Control _Plot 5a	27	17.5	25.5	15
Control _Plot 5b	5.5	6.75	10.7	7
Control _Plot 5c	21.6	24	28	10.7
Impact_Plot 6a	17.5	21.5	23.5	19.5
Impact_Plot 6b	26	16	32.2 5	22.5
Impact_Plot 6c	9.5	13	16. 5	14. 5

Source of Variation	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
	785.81		157.16	9.0707		2.9012
Rows	58	5	32	11	0.000	95
	208.19		69.397	4.0052		3.2873
Columns	21	3	36	86	0.028	82
	259.89	1	17.326			
Error	67	5	44			
Total	1253.905	23				

Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)

Species Diversity

Levene's Test_Shrub Species Diversity

	Jan-16	Jan-16	Jan-17	Jan-17		*42373*	*42378*	*42739*	*42745*
Plot 6a	22	23	16	18	Median	18	18.5	14	15.5
Plot 6b	18	19	16	18	Mean	18.66667	19.5	13.5	15
Plot 6c	21	21	17	18	Variance	5.466667	4.3	10.7	12
Plot 5c	18	18	11	13	n	6	6	6	6
Plot 5b	17	18	9	10	df	5	5	5	5
Plot 5a	16	18	12	13		Levene's			
					Test	1.733			
					p	0.192		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Levene's Test_Forb Species Diversity

	Jan-16	Jan-16	Jan-17	Jan-17		*42373*	*42378*	*42739*	*42745*
Plot 5a	5	10	4	3	Median	8.5	10	5	4.5
Plot 5b	5	8	4	4	Mean	7.666667	9.5	5	4.833333
Plot 5c	9	10	6	7	Variance	4.666667	0.7	1.2	2.166667
Plot 6a	10	10	4	4	n	6	6	6	6
Plot 6b	9	9	6	6	df	5	5	5	5
Plot 6c	8	10	6	5		Levene's			

					Test	1.572			
					p	0.227		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Levene's Test_Grass / Sedge / Rush Species Diversity

	Plot 5a_April 2016	Plot 5a_September 2016	Plot 5a_April 2017	Plot 5a_October 2017		*Plot 5a_April 2016*	*Plot 5a_September 2016*	*Plot 5a_April 2017*	*Plot 5a_October 2017*
Plot 6c	7	8	6	7	Median	6.5	7	6	6
Plot 6b	5	6	5	3	Mean	6.666667	7.166667	5.833333	5.333333
Plot 6a	6	6	6	6	Variance	1.866667	1.366667	0.566667	2.266667
Plot 5c	6	7	7	6	n	6	6	6	6
Plot 5b	9	9	6	6	df	5	5	5	5
Plot 5a	7	7	5	4		Levene's			
					Test	0.421			
					p	0.740		Cannot Reject Null Hypothesis because p > 0.05 (Variances are the same)	
						a	0.05		

Repeat Measures ANOVA_Grass / Sedge/ Rush Species Diversity

	April 2016	September 2016	April 2017	October 2017	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Plot 6c	7	8	6	7	Rows	19	5	3.8	5.029412	0.007	2.901295
Plot 6b	5	6	5	3	Columns	12.16667	3	4.055556	5.367647	0.010	3.287382
Plot 6a	6	6	6	6	Error	11.33333	15	0.755556			
Plot 5c	6	7	7	6							
Plot 5b	9	9	6	6	Total	42.5	23				
Plot 5a	7	7	5	4							
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)										

Repeat Measures ANOVA_Forb Species Diversity

	Apr-	Sep-	Apr-	Oct-	*Source of*	*SS*	*df*	*MS*	*F*	*P-*	*F crit*

	16	16	17	17	*Variation*					*Value*	
Plot 5a	5	10	4	3	Rows	25	5	5	4.017857	0.016	2.901295
Plot 5b	5	8	4	4	Columns	90.83333	3	30.27778	24.33036	0.000	3.287382
Plot 5c	9	10	6	7	Error	18.66667	15	1.244444			
Plot 6a	10	10	4	4							
Plot 6b	9	9	6	6	Total	134.5	23				
Plot 6c	8	10	6	5							
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)										

Repeat Measures ANOVA_Shrub Species Diversity

	Apr-16	September 206	Apr-17	Oct-17	*Source of Variation*	*SS*	*df*	*MS*	*F*	*P-Value*	*F crit*
Plot 6a	22	23	16	18	Rows	135.3333	5	27.06667	15.03704	0.000	2.901295
Plot 6b	18	19	16	18	Columns	149	3	49.66667	27.59259	0.000	3.287382
Plot 6c	21	21	17	18	Error	27	15	1.8			
Plot 5c	18	18	11	13							
Plot 5b	17	18	9	10	Total	311.3333	23				
Plot 5a	16	18	12	13							
Rows	Reject Null Hypothesis because p < 0.05 (Means are Different)										
Columns	Reject Null Hypothesis because p < 0.05 (Means are Different)										