

Table 3: Results of analyses of variance based on height and % cover of *Sarcocornia quinqueflora*

(a) Height of plants - untransformed

Cochran's C = 0.091 (NS)

Source of variation	SS	DF	MS	F	P	F versus
Su	286.36	2	143.18	2.41	0.170	Su X Si(Loc)
Loc	1315.86	2	657.93	2.54	0.227	Si(Lo)
Loc (ST v Q = Con)	65.34	1	65.34	0.25	0.650	Si(Lo)
Loc (P v Con)	1250.52	1	1250.52	4.82	0.116	Si(Lo)
Si(Lo)	778.13	3	259.38	0.61	0.624	Tr(Si(Loc))
Si (Con)	222.57	2	111.28	0.26	0.775	Tr(Si(Loc))
Si(P)	555.56	1	555.56	1.30	0.277	Tr(Si(Loc))
Tr(Si(Loc))	5134.89	12	427.91	5.51	<0.001	Residual
Tr(Si(Con))	890.44	8	111.31	1.43	0.186	Residual
Tr(Si(PI))	4244.44	4	1061.11	13.66	<0.001	Residual
Su X Loc	274.94	4	68.74	1.16	0.414	Su X Si(Loc)
Su X ST v Q	194.01	2	97.01	1.64	0.271	Su X Si(Loc)
Su X P v Con	80.93	2	40.47	0.68	0.541	Su X Si(Loc)
Su X Si(Loc)	355.75	6	59.29	0.78	0.596	Su X Tr(Si(Loc))
Su X Si(Con)	305.97	4	76.49	1.00	0.425	Su X Tr(Si(Loc))
Su X Si(P)	49.78	2	24.89	0.33	0.725	Su X Tr(Si(Loc))
Su X Tr(Si(Loc))	1830.28	24	76.26	0.98	0.493	Residual
Su X Tr(Si(Con))	1411.06	16	88.19	1.14	0.327	Residual
Su X Tr(Si(P))	419.22	8	52.40	0.67	0.713	Residual
Residual	12580.75	162	77.66			
Total	22556.96	215				

(b) % cover of dead plants - Ln(X+1) transformed

Cochran's C = 0.121 (NS)

Source of variation	SS	DF	MS	F	P	F versus
Su	1.52	2	0.76	1.04	0.408	Su X Si(Loc)
Loc	3.18	2	1.59	1.48	0.358	Si(Lo)
Loc (ST v Q = Con)	1.06	1	1.06	0.98	0.395	Si(Lo)
Loc (P v Con)	2.12	1	2.12	1.97	0.255	Si(Lo)
Si(Lo)	3.23	3	1.08	1.57	0.249	Tr(Si(Loc))
Si (Con)	3.22	2	1.61	2.34	0.138	Tr(Si(Loc))
Si(P)	0.01	1	0.01	0.01	0.914	Tr(Si(Loc))
Tr(Si(Loc))	8.24	12	0.69	1.93	0.034	Residual
Tr(Si(Con))	5.90	8	0.74	2.07	0.041	Residual
Tr(Si(PI))	2.35	4	0.59	1.65	0.164	Residual
Su X Loc	6.39	4	1.60	2.20	0.186	Su X Si(Loc)
Su X ST v Q	6.30	2	3.15	4.33	0.069	Su X Si(Loc)
Su X P v Con	0.09	2	0.05	0.06	0.939	Su X Si(Loc)
Su X Si(Loc)	4.37	6	0.73	1.54	0.208	Su X Tr(Si(Loc))
Su X Si(Con)	4.07	4	1.02	2.15	0.105	Su X Tr(Si(Loc))
Su X Si(P)	0.29	2	0.15	0.31	0.737	Su X Tr(Si(Loc))
Su X Tr(Si(Loc))	11.34	24	0.47	1.33	0.152	Residual
Su X Tr(Si(Con))	9.07	16	0.57	1.60	0.075	Residual
Su X Tr(Si(P))	2.27	8	0.28	0.80	0.603	Residual
Residual	57.57	162	0.36			
Total	95.85	215				

continued

Table 3: Continued.

(c) % cover of plants in poor health - Ln(X+1) transformed
Cochran's C = 0.098 (NS)

Source of variation	SS	DF	MS	F	P	F versus
Su	3031.36	2	1515.68	1.21	0.361	Su X Si(Loc)
Loc	10989.69	2	5494.85	2.36	0.242	Si(Lo)
Loc (ST v Q = Con)	1013.36	1	1013.36	0.43	0.557	Si(Lo)
Loc (P v Con)	9976.33	1	9976.33	4.28	0.130	Si(Lo)
Si(Lo)	6988.85	3	2329.62	2.40	0.118	Tr(Si(Loc))
Si (Con)	6720.50	2	3360.25	3.47	0.065	Tr(Si(Loc))
Si(P)	268.35	1	268.35	0.28	0.608	Tr(Si(Loc))
Tr(Si(Loc))	11627.17	12	968.93	2.54	0.004	Residual
Tr(Si(Con))	7058.22	8	882.28	2.31	0.023	Residual
Tr(Si(PI))	4568.94	4	1142.24	2.99	0.021	Residual
Su X Loc	20528.44	4	5132.11	4.10	0.061	Su X Si(Loc)
Su X ST v Q	20371.72	2	10185.86	8.14	0.020	Su X Si(Loc)
Su X P v Con	156.72	2	78.36	0.06	0.940	Su X Si(Loc)
Su X Si(Loc)	7504.36	6	1250.73	3.45	0.013	Su X Tr(Si(Loc))
Su X Si(Con)	7480.17	4	1870.04	5.16	0.004	Su X Tr(Si(Loc))
Su X Si(P)	24.19	2	12.10	0.03	0.967	Su X Tr(Si(Loc))
Su X Tr(Si(Loc))	8705.83	24	362.74	0.95	0.536	Residual
Su X Tr(Si(Con))	7234.28	16	452.14	1.18	0.286	Residual
Su X Tr(Si(P))	1471.56	8	183.94	0.48	0.868	Residual
Residual	61895.25	162	382.07			
Total	131270.96	215				

(c) % cover of plants in healthy plants - untransformed
Cochran's C = 0.068 (NS)

Source of variation	SS	DF	MS	F	P	F versus
Su	6037.21	2	3018.61	4.36	0.068	Su X Si(Loc)
Loc	11918.35	2	5959.17	3.07	0.188	Si(Lo)
Loc (ST v Q = Con)	3495.77	1	3495.77	1.80	0.272	Si(Lo)
Loc (P v Con)	8422.58	1	8422.58	4.34	0.129	Si(Lo)
Si(Lo)	5821.22	3	1940.41	2.77	0.088	Tr(Si(Loc))
Si (Con)	4751.68	2	2375.84	3.39	0.068	Tr(Si(Loc))
Si(P)	1069.53	1	1069.53	1.53	0.240	Tr(Si(Loc))
Tr(Si(Loc))	8412.83	12	701.07	1.40	0.170	Residual
Tr(Si(Con))	3059.68	8	382.46	0.76	0.634	Residual
Tr(Si(PI))	5353.15	4	1338.29	2.68	0.034	Residual
Su X Loc	14668.90	4	3667.23	5.29	0.036	Su X Si(Loc)
Su X ST v Q	14480.32	2	7240.16	10.45	0.011	Su X Si(Loc)
Su X P v Con	188.58	2	94.29	0.14	0.875	Su X Si(Loc)
Su X Si(Loc)	4155.64	6	692.61	1.34	0.280	Su X Tr(Si(Loc))
Su X Si(Con)	3729.62	4	932.40	1.80	0.162	Su X Tr(Si(Loc))
Su X Si(P)	426.02	2	213.01	0.41	0.667	Su X Tr(Si(Loc))
Su X Tr(Si(Loc))	12433.00	24	518.04	1.04	0.425	Residual
Su X Tr(Si(Con))	10710.69	16	669.42	1.34	0.180	Residual
Su X Tr(Si(P))	1722.31	8	215.29	0.43	0.902	Residual
Residual	81040.13	162	500.25			
Total	144487.27	215				