APPENDIX R

ANOVA Tables for Fish

ANALYSIS OF VARIANCE TABLES

LOCATION=STAG

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTC SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	215.52266575	11.34383525	1.52	0.1793	0.551225	66.5236
ERROR	20	149.01786507	7.45089425			ROOT MSE	SQR TOTC MEAN
CORRECTED TOTAL	35	364.55054682				2.72963262	3.14025972

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	23.29609272	3.13	0.0923	1	23.29609272	3.13	0.0923
MONTH	4	145.09326854	4.87	0.0066	4	145.09326854	4.87	0.0066
YEAR*MONTH	4	30.04427186	1.01	0.4267	4	30.04427186	1.01	0.4267
DENSITY	1	0.06650940	0.01	0.9257	1	0.06650940	0.01	0.9257
YEAR*DENSITY	1	0.95643009	0.13	0.7239	1	0.95643009	0.13	0.7239
MONTH*DENSITY	4	5.82361433	0.20	0.9379	4	5.82361433	0.20	0.9379
YEAR*MONTH*DENSITY	4	10.25268281	0.34	0.8450	4	10.25268281	0.34	0.8450

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	23.29609272	3.13	0.0923	1	23.29609272	3.13	0.0923
MONTH	4	145.09326854	4.87	0.0066	4	145.09326854	4.87	0.0066
YEAR*MONTH	4	30.04427186	1.01	0.4267	4	30.04427186	1.01	0.4267
DENSITY	1	0.06650940	0.01	0.9257	1	0.06650940	0.01	0.9257
YEAR*DENSITY	1	0.95643009	0.13	0.7239	1	0.95643009	0.13	0.7239
MONTH*DENSITY	4	5.82361433	0.20	0.9379	4	5.82361433	0.20	0.9379
YEAR*MONTH*DENSITY	4	10.25268281	0.34	0.8450	4	10.25268281	0.34	0.8450

LOCATION=STAG

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	4.10629279	0.21612067	1.55	0.1693	0.595532	23.2585
ERROR	20	2.78887423	0.13944371			ROOT MSE	SQR TOTN MEAN
CORRECTED TOTAL	35	6.89516702				0.37342163	1.60549706

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.18955805	1.36	0.2574	1	0.18955805	1.36	0.2574
MONTH	4	2.81616487	5.05	0.0056	4	2.81616487	5.05	0.0056
YEAR*MONTH	4	0.21110315	0.38	0.8213	4	0.21110315	0.38	0.8213
DENSITY	1	0.02075243	0.15	0.7037	1	0.02075243	0.15	0.7037
YEAR*DENSITY	1	0.21612206	1.55	0.2275	1	0.21612206	1.55	0.2275
MONTH*DENSITY	4	0.21687542	0.39	0.8141	4	0.21687542	0.39	0.8141
YEAR*MONTH*DENSITY	4	0.43571277	0.78	0.5506	4	0.43571277	0.78	0.5506

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.18955805	1.36	0.2574	1	0.18955805	1.36	0.2574
MONTH	4	2.81616487	5.05	0.0056	4	2.81616487	5.05	0.0056
YEAR*MONTH	4	0.21110315	0.38	0.8213	4	0.21110315	0.38	0.8213
DENSITY	1	0.02075243	0.15	0.7037	1	0.02075243	0.15	0.7037
YEAR*DENSITY	1	0.21612206	1.55	0.2275	1	0.21612206	1.55	0.2275
MONTH*DENSITY	4	0.21687542	0.39	0.8141	4	0.21687542	0.39	0.8141
YEAR*MONTH*DENSITY	4	0.43571277	0.78	0.5506	4	0.43571277	0.78	0.5506

ANALYSIS OF VARIANCE TABLES

LOCATION*STAG

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	174.25622271	9.17138541	1.89	0.0834	0.642213	106.6628
ERROR	20	97.0810625 6	4.85405315			ROOT MSE	SQR PER MEAN
CORRECTED TOTAL	39	271.33738574				2.20319158	2.06556655

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	19.98474882	4.12	0.0560	1	19.98474882	4.12	0.0560
MONTH	4	103.72008759	5.34	0.0043	4	103.72008759	5.34	0.0043
YEAR*MONTH	4	28.70626283	1.48	0.2461	4	28.70626283	1.48	0.2461
DENSITY	1	2.01112231	0.41	0.5271	1	2.01112231	0.41	0.5271
YEAR*DENSITY	1	3.61457399	0.74	0.3984	1	3.61457399	0.74	0.3984
MONTH*DENSITY	4	7.67776648	0.40	0.8095	4	7.67776648	0.40	0.8095
YEAR*MONTH*DENSITY	4	8.54176075	0.44	0.7783	4	8.54176075	0.44	0.7783

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	19.98474882	4.12	0.0560	1	19.98474882	4.12	0.0560
MONTH	4	103.72008759	5.34	0.0043	4	103.72008759	5.34	0.0043
YEAR*MONTH	4	28.70626283	1.48	0.2461	4	28.70626283	1.48	0.2461
DENSITY	1	2.01112231	0.41	0.5271	1	2.01112231	0.41	0.5271
YEAR*DENSITY	1	3.61457399	0.74	0.3984	1	3.61457399	0.74	0.3984
MONTH*DENSITY	4	7.67776648	0.40	0.8095	4	7.67776648	0.40	0.8095
YEAR*MONTH*DENSITY	4	8.54176075	0.44	0.7783	4	8.54176075	0.44	0.7783

LOCATION*STAG

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	13.32356116	0.70126111	1.61	0.1479	0.605395	53.2694
ERROR	20	8.68475516	0.43423796			ROOT MSE	SQR RB MEAN
CORRECTED TOTAL	39	22.00832632				0.65896734	1.23462063

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.00054830	0.00	0.9632	1	0.00054830	0.00	0.9632
MONTH	4	6.80514649	3.92	0.0166	4	6.80514649	3.92	0.0166
YEAR*MONTH	4	4.92243417	2.83	0.0518	4	4.92243417	2.83	0.0518
DENSITY	1	0.12532456	0.29	0.5970	1	0.12532456	0.29	0.5970
YEAR*DENSITY	1	0.02627577	0.06	0.8082	1	0.02627577	0.06	0.8082
MONTH*DENSITY	4	0.64042139	0.37	0.8281	4	0.64042139	0.37	0.8281
YEAR*MONTH*DENSITY	4	0.80341047	0.46	0.7624	4	0.80341047	0.46	0.7624

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.00054830	0.00	0.9632	1	0.00054830	0.00	0.9632
MONTH	4	6.80514649	3.92	0.0166	4	6.80514649	3.92	0.0166
YEAR*MONTH	4	4.92243417	2.83	0.0518	4	4.92243417	2.83	0.0518
DENSITY	1	0.12532456	0.29	0.5970	1	0.12532456	0.29	0.5970
YEAR*DENSITY	1	0.02627577	0.06	0.8082	1	0.02627577	0.06	0.8082
MONTH*DENSITY	4	0.64042139	0.37	0.8281	4	0.64042139	0.37	0.8281
YEAR*MONTH*DENSITY	4	0.80341047	0.46	0.7624	4	0.80341047	0.46	0.7624

ANALYSIS OF VARIANCE TABLES

LOCATION=FAAA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTC SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	97.553057[illegible]	5.73641512	1.18	0.2512	0.477355	86.6185
ERROR	22	106.807064[illegible]	4.85486658		ROOT MSE		SQR TOTC MEAN
CORRECTED TOTAL	39	204.36012166			2.20337618		2.53751153

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	5.88710540	1.21	0.2827	1	2.81017903	0.58	0.4548
MONTH	4	42.54312502	2.19	0.1034	4	35.92361597	1.85	0.1553
YEAR*MONTH	4	11.55655614	0.60	0.6659	4	10.05528027	0.52	0.7235
DENSITY	1	22.85077873	4.92	0.0372	1	22.85077873	4.92	0.0372
YEAR*DENSITY	1	4.69054928	0.97	0.3363	1	6.27396050	1.29	0.2679
MONTH*DENSITY	4	7.49652115	0.39	0.8163	4	7.49652115	0.39	0.8163
YEAR*MONTH*DENSITY	2	1.48841444	0.15	0.8588	2	1.48841444	0.15	0.8588

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	4.81333237	0.99	0.3302	1*	2.62854583	0.54	0.4656
MONTH	4	40.51424124	2.09	0.1171	4*	40.12643520	2.07	0.1158
YEAR*MONTH	4	9.82000305	0.51	0.7320	4*	10.06292360	0.52	0.7232
DENSITY	1	14.97955743	3.09	0.0929	1*	22.64023018	4.66	0.0420
YEAR*DENSITY	1	6.28082346	1.29	0.2676	1*	6.28082346	1.29	0.2676
MONTH*DENSITY	4	7.50000925	0.39	0.8161	4*	7.12426276	0.37	0.8256
YEAR*MONTH*DENSITY	2	1.48841444	0.15	0.8588	2	1.48841444	0.15	0.8588

LOCATION=FAAA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	2.41102465	0.14182558	1.21	0.3296	0.484129	22.1715
ERROR	22	2.56511560	0.11677799		ROOT MSE		SQR TOTN MEAN
CORRECTED TOTAL	39	4.96615065			0.34172795		1.54126449

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.02516064	0.30	0.5886	1	0.05347185	0.46	0.5057
MONTH	4	1.17605945	2.52	0.0705	4	1.03521165	2.22	0.1004
YEAR*MONTH	4	0.37621755	0.81	0.5349	4	0.46852456	1.00	0.4271
DENSITY	1	0.28655236	2.47	0.1300	1	0.28855236	2.47	0.1300
YEAR*DENSITY	1	0.03265646	0.28	0.6020	1	0.16554639	1.42	0.2465
MONTH*DENSITY	4	0.31717172	0.68	0.6138	4	0.31717172	0.68	0.6138
YEAR*MONTH*DENSITY	2	0.18471465	0.79	0.4659	2	0.18471465	0.79	0.4659

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.11516718	0.99	0.3314	1*	0.05220903	0.45	0.5107
MONTH	4	1.13734512	2.43	0.0776	4*	1.07118605	2.29	0.0917
YEAR*MONTH	4	0.45275754	1.05	0.4020	4*	0.44256516	0.95	0.4554
DENSITY	1	0.13023002	1.12	0.3024	1*	0.29046220	2.49	0.1250
YEAR*DENSITY	1	0.15226832	1.30	0.2658	1*	0.15226832	1.30	0.2658
MONTH*DENSITY	4	0.31601335	0.68	0.6154	4*	0.12522113	0.27	0.8953
YEAR*MONTH*DENSITY	2	0.18471465	0.79	0.4659	2	0.18471465	0.79	0.4659

ANALYSIS OF VARIANCE TABLES

LOCATION=FAAA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SCR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	72.26414556	4.25065586	0.81	0.6683	0.364763	115.3263
ERROR	22	117.14968615	5.32498573		ROOT MSE		SQR PER MEAN
CORRECTED TOTAL	39	189.41383171			2.30759306		1.62361653

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	1.58450526	0.29	0.5932	1	0.15596635	0.03	0.8657
MONTH	4	21.28158565	1.00	0.4290	4	17.55155493	0.82	0.5229
YEAR*MONTH	4	16.61185682	0.78	0.5502	4	14.28944497	0.67	0.6151
DENSITY	1	21.50542132	4.04	0.0569	1	21.50542132	4.04	0.0569
YEAR*DENSITY	1	2.22573624	0.41	0.4447	1	4.32023068	0.81	0.3775
MONTH*DENSITY	4	8.54471877	0.40	0.8057	4	8.54471877	0.40	0.8057
YEAR*MONTH*DENSITY	2	0.52951746	0.05	0.9516	2	0.52951746	0.05	0.9516

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.78453222	0.15	0.7048	1*	0.12626066	0.02	0.8750
MONTH	4	21.42106560	1.01	0.4256	4*	22.02183357	1.03	0.4120
YEAR*MONTH	4	14.23052645	0.67	0.6210	4*	14.21604564	0.67	0.6214
DENSITY	1	14.12135742	2.65	0.1177	1*	20.30164239	3.81	0.0637
YEAR*DENSITY	1	4.25508111	0.80	0.3810	1*	4.25508111	0.80	0.3810
MONTH*DENSITY	4	8.51116242	0.40	0.8066	4*	8.06266662	0.38	0.8215
YEAR*MONTH*DENSITY	2	0.52951746	0.05	0.9516	2	0.52951746	0.05	0.9516

LOCATION=FAAA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SCR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	14.27650957	0.83979468	3.28	0.0049	0.717223	35.0583
ERROR	22	5.62874853	0.25585221		ROOT MSE		SQR RB MEAN
CORRECTED TOTAL	39	19.90525810			0.50581835		1.29513264

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.76027665	2.97	0.0967	1	0.98416415	3.85	0.0626
MONTH	4	10.01512982	9.79	0.0001	4	9.76704956	9.54	0.0001
YEAR*MONTH	4	1.01212566	0.99	0.4336	4	0.48986882	0.48	0.7510
DENSITY	1	0.74208126	2.90	0.1026	1	0.74208126	2.90	0.1026
YEAR*DENSITY	1	0.70534061	2.76	0.1110	1	1.38230938	5.40	0.0257
MONTH*DENSITY	4	0.98783763	0.97	0.4462	4	0.98783763	0.97	0.4462
YEAR*MONTH*DENSITY	2	0.04861353	0.10	0.9097	2	0.04861353	0.10	0.9097

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	1.48885076	5.82	0.0246	1*	0.95186564	3.72	0.0668
MONTH	4	10.44702267	10.21	0.0001	4*	8.86001046	8.66	0.0002
YEAR*MONTH	4	0.48887146	0.48	0.7517	4*	0.45027380	0.48	0.7508
DENSITY	1	0.18164551	0.71	0.4083	1*	0.68242245	2.67	0.1167
YEAR*DENSITY	1	1.37128529	5.36	0.0303	1*	1.37128529	5.36	0.0303
MONTH*DENSITY	4	0.98807770	0.97	0.4461	4*	0.68264558	0.67	0.6217
YEAR*MONTH*DENSITY	2	0.04861353	0.10	0.9097	2	0.04861353	0.10	0.9097

ANALYSIS OF VARIANCE TABLES

LOCATION=RUSSELL

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTC SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	136.81513467	7.20100706	1.98	0.0696	0.665203	51.5254
ERROR	20	72.86434445	3.64321722			ROOT MSE	SQR TOTC MEAN
CORRECTED TOTAL	39	209.68947852				1.90872136	3.31761751

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	10.80644321	2.97	0.1005	1	9.81402922	2.69	0.1164
MONTH	4	54.68939102	3.75	0.0196	4	54.75779450	3.76	0.0195
YEAR*MONTH	4	56.72806557	3.89	0.0170	4	55.52247704	3.81	0.0184
DENSITY	1	2.22941541	0.61	0.4432	1	2.22941541	0.61	0.4432
YEAR*DENSITY	1	0.39477984	0.11	0.7454	1	0.50227858	0.14	0.7143
MONTH*DENSITY	4	4.11326304	0.28	0.8860	4	4.11326304	0.28	0.8860
YEAR*MONTH*DENSITY	4	7.85775157	0.54	0.7087	4	7.85775157	0.54	0.7087

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	9.17873966	2.52	0.1281	1	9.17873966	2.52	0.1281
MONTH	4	53.79447632	3.69	0.0208	4	53.79447632	3.69	0.0208
YEAR*MONTH	4	54.81855157	3.76	0.0194	4	54.81855157	3.76	0.0194
DENSITY	1	1.81779592	0.50	0.4881	1	1.81779592	0.50	0.4881
YEAR*DENSITY	1	0.56162893	0.15	0.6987	1	0.56162893	0.15	0.6987
MONTH*DENSITY	4	4.32583167	0.30	0.8765	4	4.32583167	0.30	0.8765
YEAR*MONTH*DENSITY	4	7.85775157	0.54	0.7087	4	7.85775157	0.54	0.7087

LOCATION=RUSSELL

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	3.52446434	0.18549518	1.94	0.0746	0.648563	16.3295
ERROR	20	1.90581635	0.09545082			ROOT MSE	SQR TOTN MEAN
CORRECTED TOTAL	39	5.43430068				0.30901589	1.89457551

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.20615028	2.16	0.1573	1	0.15064260	1.58	0.2226
MONTH	4	1.39146536	3.64	0.0219	4	1.38845508	3.64	0.0221
YEAR*MONTH	4	0.65357731	1.71	0.1868	4	0.46621566	1.22	0.3334
DENSITY	1	0.23149696	2.42	0.1351	1	0.23149696	2.42	0.1351
YEAR*DENSITY	1	0.08760549	0.92	0.3496	1	0.11066367	1.16	0.2945
MONTH*DENSITY	4	0.65861069	1.72	0.1842	4	0.65861069	1.72	0.1842
YEAR*MONTH*DENSITY	4	0.29516824	0.77	0.5557	4	0.29516824	0.77	0.5557

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.13296163	1.39	0.2518	1	0.13296163	1.39	0.2518
MONTH	4	1.48443305	3.89	0.0171	4	1.48443305	3.89	0.0171
YEAR*MONTH	4	0.41703552	1.09	0.3874	4	0.41703552	1.09	0.3874
DENSITY	1	0.18178090	1.90	0.1829	1	0.18178090	1.90	0.1829
YEAR*DENSITY	1	0.11587902	1.21	0.2837	1	0.11587902	1.21	0.2837
MONTH*DENSITY	4	0.67404030	1.76	0.1756	4	0.67404030	1.76	0.1756
YEAR*MONTH*DENSITY	4	0.29516824	0.77	0.5557	4	0.29516824	0.77	0.5557

ANALYSIS OF VARIANCE TABLES

LOCATION=RUSSELL

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	71.952000001	3.78694782	3.31	0.0053	0.755525	52.4446
ERROR	20	22.85525922	1.14276296		ROOT MSE		SQR PER MEAN
CORRECTED TOTAL	39	94.80726782			1.06900092		2.03833714

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	9.44369021	8.26	0.0094	1	9.54479900	8.35	0.0091
MONTH	4	30.78827331	6.74	0.0013	4	30.77339055	6.73	0.0013
YEAR*MONTH	4	15.01651655	3.29	0.0318	4	15.00406132	3.28	0.0319
DENSITY	1	2.29129302	2.01	0.1722	1	2.29129302	2.01	0.1722
YEAR*DENSITY	1	0.60245416	0.70	0.4119	1	0.82259021	0.72	0.4063
MONTH*DENSITY	4	4.02702139	0.88	0.4929	4	4.02703139	0.88	0.4929
YEAR*MONTH*DENSITY	4	9.58024752	2.10	0.1193	4	9.58024752	2.10	0.1193

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	8.26718272	7.23	0.0141	1	8.26718272	7.23	0.0141
MONTH	4	30.96016376	6.77	0.0013	4	30.96016376	6.77	0.0013
YEAR*MONTH	4	14.71367126	3.22	0.0341	4	14.71367126	3.22	0.0341
DENSITY	1	1.95015584	1.71	0.2063	1	1.95015584	1.71	0.2063
YEAR*DENSITY	1	0.96328251	0.84	0.3695	1	0.96328251	0.84	0.3695
MONTH*DENSITY	4	4.11307586	0.90	0.4826	4	4.11307586	0.90	0.4826
YEAR*MONTH*DENSITY	4	9.58024752	2.10	0.1193	4	9.58024752	2.10	0.1193

LOCATION=RUSSELL

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	19	25.18599040	1.32557844	3.36	0.0049	0.761603	40.1256
ERROR	20	7.88370395	0.39418520		ROOT MSE		SQR RB MEAN
CORRECTED TOTAL	39	33.06969435			0.62784170		1.56469091

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	2.37907324	6.04	0.0233	1	1.94680649	4.94	0.0380
MONTH	4	14.25774017	9.04	0.0002	4	14.25349022	9.04	0.0002
YEAR*MONTH	4	1.91854254	1.22	0.3349	4	1.75372957	1.11	0.3783
DENSITY	1	2.29649570	5.83	0.0255	1	2.29649570	5.83	0.0255
YEAR*DENSITY	1	0.66256570	1.68	0.2096	1	0.62120412	1.58	0.2238
MONTH*DENSITY	4	2.43635520	1.55	0.2271	4	2.43825520	1.55	0.2271
YEAR*MONTH*DENSITY	4	1.23321375	0.78	0.5500	4	1.23321375	0.78	0.5500

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	2.24150026	5.69	0.0271	1	2.24150026	5.69	0.0271
MONTH	4	14.25350526	9.04	0.0002	4	14.25390526	9.04	0.0002
YEAR*MONTH	4	1.84555505	1.17	0.3535	4	1.84559505	1.17	0.3535
DENSITY	1	2.19666291	5.57	0.0285	1	2.19666291	5.57	0.0285
YEAR*DENSITY	1	0.66923411	1.70	0.2074	1	0.66923411	1.70	0.2074
MONTH*DENSITY	4	2.38576389	1.51	0.2363	4	2.38576389	1.51	0.2363
YEAR*MONTH*DENSITY	4	1.23321375	0.78	0.5500	4	1.23321375	0.78	0.5500

ANALYSIS OF VARIANCE TABLES

LOCATION=BELLE ISLE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTC SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	24.15887246	1.27362487	1.02	0.4783	0.452575	36.0555
ERROR	20	24.88816216	1.24440811		ROOT MSE		SQR TOTC MEAN
CORRECTED TOTAL	35	49.06703462			1.11553042		2.92753855

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	1.31628874	1.06	0.3160	1	1.48711506	1.20	0.2873
MONTH	4	8.97625562	1.80	0.1678	4	9.08072392	1.82	0.1637
YEAR*MONTH	4	9.47564561	1.90	0.1492	4	9.12300746	1.83	0.1621
DENSITY	1	0.20021417	0.16	0.6926	1	0.20021417	0.16	0.6926
YEAR*DENSITY	1	0.01004235	0.01	0.9253	1	0.00822723	0.01	0.9360
MONTH*DENSITY	4	0.40281778	0.08	0.9873	4	0.40281778	0.08	0.9873
YEAR*MONTH*DENSITY	4	3.81756180	0.77	0.5592	4	3.81756180	0.77	0.5592

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	1.28382773	1.03	0.3219	1	1.28382773	1.03	0.3219
MONTH	4	8.89271473	1.79	0.1712	4	8.89271473	1.79	0.1712
YEAR*MONTH	4	9.18164060	1.84	0.1599	4	9.18164060	1.84	0.1599
DENSITY	1	0.19083874	0.15	0.6995	1	0.19083874	0.15	0.6995
YEAR*DENSITY	1	0.01128765	0.01	0.9251	1	0.01128765	0.01	0.9251
MONTH*DENSITY	4	0.39314784	0.08	0.9879	4	0.39314784	0.08	0.9879
YEAR*MONTH*DENSITY	4	3.81756180	0.77	0.5592	4	3.81756180	0.77	0.5592

LOCATION=BELLE ISLE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	2.35665765	0.12413588	0.99	0.5059	0.465037	21.6256
ERROR	20	2.50418515	0.12520926		ROOT MSE		SQR TOTN MEAN
CORRECTED TOTAL	35	4.86284282			0.35384920		1.62124302

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.05483747	0.44	0.5157	1	0.06906265	0.55	0.4663
MONTH	4	0.79756565	1.59	0.2149	4	0.79805172	1.59	0.2145
YEAR*MONTH	4	1.02583660	2.06	0.1249	4	1.04176215	2.08	0.1215
DENSITY	1	0.07535054	0.60	0.4470	1	0.07535054	0.60	0.4470
YEAR*DENSITY	1	0.04572755	0.40	0.5357	1	0.04507082	0.36	0.5553
MONTH*DENSITY	4	0.17874705	0.36	0.8362	4	0.17874709	0.36	0.8362
YEAR*MONTH*DENSITY	4	0.17217626	0.34	0.8452	4	0.17217626	0.34	0.8452

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.04465648	0.36	0.5560	1	0.04465648	0.36	0.5560
MONTH	4	0.78485748	1.57	0.2216	4	0.78485748	1.57	0.2216
YEAR*MONTH	4	1.02097614	2.04	0.1275	4	1.02097614	2.04	0.1275
DENSITY	1	0.06625523	0.53	0.4754	1	0.06625523	0.53	0.4754
YEAR*DENSITY	1	0.05412071	0.43	0.5184	1	0.05412071	0.43	0.5184
MONTH*DENSITY	4	0.16492027	0.33	0.8550	4	0.16492027	0.33	0.8550
YEAR*MONTH*DENSITY	4	0.17217626	0.34	0.8452	4	0.17217626	0.34	0.8452

ANALYSIS OF VARIANCE TABLES

LOCATION=BELLE ISLE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	35.76270054	2.05382637	2.89	0.0115	0.722728	47.6556
ERROR	20	14.51125037	0.72556252		ROOT MSE		SQR PER MEAN
CORRECTED TOTAL	35	50.29395131			0.85179958		1.77976666

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	5.82645742	8.05	0.0102	1	5.67507107	7.82	0.0111
MONTH	4	13.60415222	4.69	0.0078	4	13.83805739	4.77	0.0073
YEAR*MONTH	4	12.77363341	4.75	0.0074	4	13.61357071	4.69	0.0078
DENSITY	1	0.08800230	0.12	0.7313	1	0.08800230	0.12	0.7313
YEAR*DENSITY	1	1.24321745	1.71	0.2054	1	1.15111320	1.64	0.2146
MONTH*DENSITY	4	0.30972209	0.11	0.9788	4	0.30972209	0.11	0.9788
YEAR*MONTH*DENSITY	4	4.92547600	1.70	0.1902	4	4.92547600	1.70	0.1902

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	5.63927515	7.77	0.0114	1	5.63927515	7.77	0.0114
MONTH	4	13.46343509	4.64	0.0082	4	13.46343509	4.64	0.0082
YEAR*MONTH	4	13.48395192	4.65	0.0081	4	13.48395192	4.65	0.0081
DENSITY	1	0.08369551	0.12	0.7377	1	0.08369551	0.12	0.7377
YEAR*DENSITY	1	1.18582415	1.63	0.2157	1	1.18582415	1.63	0.2157
MONTH*DENSITY	4	0.30804323	0.11	0.9790	4	0.30804323	0.11	0.9790
YEAR*MONTH*DENSITY	4	4.92547600	1.70	0.1902	4	4.92547600	1.70	0.1902

LOCATION=BELLE ISLE

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	14.28381237	0.95177560	1.96	0.1642	0.597775	33.7146
ERROR	20	9.61055027	0.48054951		ROOT MSE		SQR RB MEAN
CORRECTED TOTAL	35	23.89436264			0.69321679		2.05612012

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	3.31720415	6.90	0.0161	1	3.30682772	6.88	0.0163
MONTH	4	2.05020883	1.07	0.3989	4	2.02882513	1.06	0.4041
YEAR*MONTH	4	3.05668753	1.61	0.2114	4	3.45103445	1.82	0.1653
DENSITY	1	0.08833279	0.18	0.6727	1	0.08833279	0.18	0.6727
YEAR*DENSITY	1	0.35032725	0.81	0.3782	1	0.43623554	0.91	0.3521
MONTH*DENSITY	4	1.81100352	0.94	0.4601	4	1.81100352	0.94	0.4601
YEAR*MONTH*DENSITY	4	3.53654817	1.84	0.1607	4	3.53654817	1.84	0.1607

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	3.21757740	6.70	0.0176	1	3.21757740	6.70	0.0176
MONTH	4	1.94598487	1.01	0.4246	4	1.94598487	1.01	0.4246
YEAR*MONTH	4	2.82744427	1.47	0.2483	4	2.82744427	1.47	0.2483
DENSITY	1	0.08272880	0.17	0.6826	1	0.08272880	0.17	0.6826
YEAR*DENSITY	1	0.37840413	0.79	0.3854	1	0.37840413	0.79	0.3854
MONTH*DENSITY	4	1.70013873	0.88	0.4910	4	1.70013873	0.88	0.4910
YEAR*MONTH*DENSITY	4	3.53654817	1.84	0.1607	4	3.53654817	1.84	0.1607

ANALYSIS OF VARIANCE TABLES

LOCATION=PT HENNEPIN

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTC SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	38.07215517	2.11512195	1.26	0.3013	0.515884	56.2652
ERROR	21	35.15565672	1.67427889		ROOT MSE		SQR TOTC MEAN
CORRECTED TOTAL	39	73.22805189			1.29393929		2.29547352

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	2.16086567	1.29	0.2687	1	4.72423533	2.82	0.1078
MONTH	4	11.72057049	1.75	0.1768	4	11.79094320	1.76	0.1746
YEAR*MONTH	4	8.77306765	1.31	0.2986	4	8.07122515	1.21	0.3380
DENSITY	1	0.00374225	0.00	0.9627	1	0.00374225	0.00	0.9627
YEAR*DENSITY	1	0.06049834	0.05	0.8286	1	1.09606449	0.65	0.4275
MONTH*DENSITY	4	8.15980671	1.22	0.3305	4	8.19980671	1.22	0.3305
YEAR*MONTH*DENSITY	3	7.13324006	1.42	0.2649	3	7.13324006	1.42	0.2649

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	4.16662727	2.49	0.1296	1*	3.32472408	1.99	0.1734
MONTH	4	13.42222672	2.00	0.1308	4*	12.02923636	1.80	0.1673
YEAR*MONTH	4	8.57106463	1.34	0.2883	4*	9.67842880	1.45	0.2542
DENSITY	1	0.21061055	0.15	0.6710	1*	0.01526234	0.01	0.9246
YEAR*DENSITY	1	1.26504362	0.77	0.3909	1*	1.28504282	0.77	0.3909
MONTH*DENSITY	4	8.05507059	1.20	0.3388	4*	9.97117512	1.49	0.2413
YEAR*MONTH*DENSITY	3	7.13324006	1.42	0.2649	3	7.13324006	1.42	0.2649

LOCATION=PT HENNEPIN

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	2.62442620	0.14580146	1.25	0.3099	0.517070	22.2554
ERROR	21	2.45114274	0.11672113		ROOT MSE		SQR TOTN MEAN
CORRECTED TOTAL	39	5.07556895			0.34164474		1.53235464

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.16505861	1.41	0.2476	1	0.34752421	2.98	0.0969
MONTH	4	0.61030034	1.32	0.2951	4	0.65061907	1.39	0.2704
YEAR*MONTH	4	0.30596046	0.66	0.6246	4	0.30151606	0.65	0.6360
DENSITY	1	0.01415472	0.12	0.7311	1	0.01415472	0.12	0.7311
YEAR*DENSITY	1	0.02289324	0.19	0.6640	1	0.10290527	0.88	0.3584
MONTH*DENSITY	4	0.65778850	1.41	0.2655	4	0.65778850	1.41	0.2655
YEAR*MONTH*DENSITY	3	0.83866152	2.40	0.0970	3	0.83866152	2.40	0.0970

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.31658215	2.71	0.1145	1*	0.26067004	2.23	0.1499
MONTH	4	0.68661655	1.47	0.2466	4*	0.65862303	1.41	0.2645
YEAR*MONTH	4	0.19707652	0.42	0.7909	4*	0.37810664	0.81	0.5329
DENSITY	1	0.00013561	0.00	0.9727	1*	0.01112462	0.10	0.7606
YEAR*DENSITY	1	0.12530517	1.07	0.3119	1*	0.12530517	1.07	0.3119
MONTH*DENSITY	4	0.61124855	1.31	0.2989	4*	0.89365553	1.91	0.1455
YEAR*MONTH*DENSITY	3	0.83866152	2.40	0.0970	3	0.83886192	2.40	0.0970

ANALYSIS OF VARIANCE TABLES

LOCATION=PT HERNEFIA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	34.98743043	1.94374613	1.47	0.1982	0.557230	62.8135
ERROR	21	27.80075051	1.32384528		ROOT MSE		SQR PER MEAN
CORRECTED TOTAL	39	62.78818133			1.15058476		1.83174656

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.90587062	0.68	0.4174	1	1.77667253	1.34	0.2557
MONTH	4	11.73278793	2.22	0.1021	4	12.52573261	2.37	0.0858
YEAR*MONTH	4	14.85250843	2.81	0.0516	4	12.64044482	2.39	0.0837
DENSITY	1	0.06011256	0.05	0.8333	1	0.06011256	0.05	0.8333
YEAR*DENSITY	1	1.22057772	1.01	0.3274	1	1.90795507	1.44	0.2433
MONTH*DENSITY	4	1.25819388	0.24	0.9139	4	1.25819388	0.24	0.9139
YEAR*MONTH*DENSITY	3	4.80600528	1.21	0.3305	3	4.80600528	1.21	0.3305

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	1.53247444	1.16	0.2942	1*	1.36235565	1.03	0.3219
MONTH	4	12.57150465	2.56	0.0684	4*	12.15167024	2.45	0.0521
YEAR*MONTH	4	13.21366625	2.50	0.0739	4*	12.89056191	2.43	0.0752
DENSITY	1	0.00751963	0.01	0.9406	1*	0.02644613	0.02	0.8885
YEAR*DENSITY	1	2.06339458	1.56	0.2256	1*	2.06339458	1.56	0.2256
MONTH*DENSITY	4	1.23183405	0.23	0.9169	4*	1.92718018	0.37	0.8302
YEAR*MONTH*DENSITY	3	4.80600528	1.21	0.3305	3	4.80600528	1.21	0.3305

LOCATION=PT HERNEFIA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	3.59238766	0.21957710	0.64	0.8278	0.354611	55.2651
ERROR	21	7.15230654	0.34253850		ROOT MSE		SQR RB MEAN
CORRECTED TOTAL	39	11.14565639			0.58526789		1.05854173

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.16304331	0.53	0.4725	1	0.48702756	1.42	0.2464
MONTH	4	0.55685824	0.41	0.8019	4	0.74867022	0.55	0.7026
YEAR*MONTH	4	0.22475833	0.16	0.9542	4	0.79983217	0.58	0.6778
DENSITY	1	0.25530438	0.75	0.3977	1	0.25530438	0.75	0.3977
YEAR*DENSITY	1	0.15923302	0.46	0.5028	1	0.00858536	0.02	0.8725
MONTH*DENSITY	4	2.33049700	1.70	0.1874	4	2.33049700	1.70	0.1874
YEAR*MONTH*DENSITY	3	0.24262348	0.24	0.8702	3	0.24262348	0.24	0.8702

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.55661122	1.62	0.2163	1*	0.41683150	1.22	0.2825
MONTH	4	0.32311792	0.24	0.9150	4*	0.57941220	0.42	0.7903
YEAR*MONTH	4	0.80446450	0.59	0.6755	4*	0.51461410	0.38	0.8234
DENSITY	1	0.09505174	0.28	0.6038	1*	0.26777663	0.78	0.3866
YEAR*DENSITY	1	0.00610188	0.02	0.8951	1*	0.00610188	0.02	0.8951
MONTH*DENSITY	4	2.31688576	1.69	0.1897	4*	1.44126165	1.05	0.4046
YEAR*MONTH*DENSITY	3	0.24262348	0.24	0.8702	3	0.24262348	0.24	0.8702

ANALYSIS OF VARIANCE TABLES

LOCATION*STOCK

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTO SQRT(TOTAL NUMBER OF FISH + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	10.56451562	0.58691776	0.26	0.9975	0.179515	53.0221
ERROR	21	48.28575335	2.29932159		ROOT MSE		SQR TOTO MEAN
CORRECTED TOTAL	39	58.85027257			1.51635141		2.85585020

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.07374627	0.03	0.8596	1	0.14109746	0.06	0.8068
MONTH	4	2.27652462	0.25	0.9079	4	2.14055055	0.23	0.9168
YEAR*MONTH	4	2.54665427	0.32	0.8611	4	3.28972304	0.36	0.8358
DENSITY	1	0.27643218	0.12	0.7322	1	0.27643218	0.12	0.7322
YEAR*DENSITY	1	0.26715563	0.12	0.7366	1	0.02148527	0.01	0.9080
MONTH*DENSITY	4	1.11936001	0.12	0.9731	4	1.11936001	0.12	0.9731
YEAR*MONTH*DENSITY	3	3.60422433	0.52	0.6715	3	3.60422433	0.52	0.6715

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.13832460	0.06	0.8086	1*	0.08453427	0.04	0.8458
MONTH	4	2.24264612	0.24	0.9101	4*	2.51540621	0.27	0.8517
YEAR*MONTH	4	3.28572304	0.36	0.8358	4*	2.64967690	0.29	0.8524
DENSITY	1	0.16025891	0.07	0.7943	1*	0.27643218	0.12	0.7322
YEAR*DENSITY	1	0.02148527	0.01	0.9080	1*	0.02148527	0.01	0.9080
MONTH*DENSITY	4	1.11936001	0.12	0.9731	4*	0.19208653	0.02	0.9991
YEAR*MONTH*DENSITY	3	3.60422433	0.52	0.6715	3	3.60422433	0.52	0.6715

LOCATION*STOCK

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR TOTN SQRT(TOTAL SPECIES + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	2.70054460	0.15003027	1.10	0.4134	0.485261	19.5724
ERROR	21	2.86458568	0.13640903		ROOT MSE		SQR TOTN MEAN
CORRECTED TOTAL	39	5.56513448			0.36933593		1.88702720

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.72620428	5.32	0.0313	1	0.62859024	4.61	0.0437
MONTH	4	1.04321985	1.91	0.1459	4	1.00151728	1.84	0.1957
YEAR*MONTH	4	0.20507153	0.38	0.8181	4	0.28420235	0.52	0.7214
DENSITY	1	0.01800506	0.13	0.7200	1	0.01800506	0.13	0.7200
YEAR*DENSITY	1	0.00359854	0.01	0.9329	1	0.00339824	0.02	0.8761
MONTH*DENSITY	4	0.41369142	0.76	0.5640	4	0.41369142	0.76	0.5640
YEAR*MONTH*DENSITY	3	0.28936212	0.71	0.5585	3	0.28936212	0.71	0.5585

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.59122233	4.33	0.0498	1*	0.67904421	4.98	0.0367
MONTH	4	0.89500605	1.65	0.1997	4*	1.27172182	2.33	0.0693
YEAR*MONTH	4	0.28420235	0.52	0.7214	4*	0.15142685	0.28	0.8852
DENSITY	1	0.03031170	0.22	0.6422	1*	0.01800506	0.13	0.7200
YEAR*DENSITY	1	0.00339824	0.02	0.8761	1*	0.00339824	0.02	0.8761
MONTH*DENSITY	4	0.41369142	0.76	0.5640	4*	0.32745874	0.60	0.6542
YEAR*MONTH*DENSITY	3	0.28936212	0.71	0.5585	3	0.28936212	0.71	0.5585

ANALYSIS OF VARIANCE TABLES

LOCATION*STORY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR PER SQRT(PERCH NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	4.78418172	0.26578787	1.00	0.4941	0.461880	49.8577
ERROR	21	5.57287875	0.26542280			ROOT MSE	SQR PER MEAN
CORRECTED TOTAL	39	10.35706048				0.51519200	1.03249624

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	1.17575658	4.44	0.0472	1	0.49124630	1.85	0.1881
MONTH	4	0.71458731	0.67	0.6180	4	0.74904168	0.71	0.5971
YEAR*MONTH	4	0.58649165	0.55	0.6994	4	0.33185413	0.31	0.8663
DENSITY	1	0.48576838	1.83	0.1905	1	0.48576838	1.83	0.1905
YEAR*DENSITY	1	0.33675701	1.27	0.2727	1	0.06052331	0.23	0.6379
MONTH*DENSITY	4	1.04125215	0.98	0.4392	4	1.04125215	0.98	0.4392
YEAR*MONTH*DENSITY	3	0.43956824	0.55	0.6524	3	0.43956824	0.55	0.6524

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.51566656	1.96	0.1763	1*	0.51744022	1.95	0.1772
MONTH	4	1.22027521	1.16	0.3570	4*	0.73719482	0.69	0.6042
YEAR*MONTH	4	0.33185413	0.31	0.8663	4*	0.32657407	0.31	0.8656
DENSITY	1	0.62944702	2.37	0.1385	1*	0.48576838	1.83	0.1905
YEAR*DENSITY	1	0.06052331	0.23	0.6379	1*	0.06052331	0.23	0.6379
MONTH*DENSITY	4	1.04125215	0.98	0.4392	4*	0.82445837	0.78	0.5528
YEAR*MONTH*DENSITY	3	0.43956824	0.55	0.6524	3	0.43956824	0.55	0.6524

LOCATION*STORY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE SQR RB SQRT(ROCK BASS NUMBERS + .5)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	3.44042785	0.19113544	0.33	0.9896	0.220210	49.0534
ERROR	21	12.17588361	0.57980398			ROOT MSE	SQR RB MEAN
CORRECTED TOTAL	39	15.61632150				0.76144861	1.55226604

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE II SS	F VALUE	PR > F
YEAR	1	0.55123206	0.93	0.3459	1	0.45041513	0.78	0.3881
MONTH	4	0.30330581	0.13	0.9694	4	0.37553027	0.16	0.9553
YEAR*MONTH	4	1.65627510	0.71	0.5916	4	1.63623607	0.71	0.5971
DENSITY	1	0.07880367	0.14	0.7161	1	0.07880367	0.14	0.7161
YEAR*DENSITY	1	0.32258268	0.57	0.4572	1	0.21686561	0.37	0.5474
MONTH*DENSITY	4	0.39238669	0.17	0.9515	4	0.39238669	0.17	0.9515
YEAR*MONTH*DENSITY	3	0.13695728	0.08	0.9708	3	0.13695728	0.08	0.9708

SOURCE	DF	TYPE III SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
YEAR	1	0.51446540	0.89	0.3569	1*	0.48917061	0.84	0.3668
MONTH	4	0.32706665	0.15	0.9631	4*	0.53416699	0.23	0.9182
YEAR*MONTH	4	1.63623607	0.71	0.5971	4*	1.61510593	0.70	0.6029
DENSITY	1	0.07903645	0.14	0.7157	1*	0.07880387	0.14	0.7161
YEAR*DENSITY	1	0.21686561	0.37	0.5474	1*	0.21686561	0.37	0.5474
MONTH*DENSITY	4	0.39238669	0.17	0.9515	4*	0.32955913	0.14	0.9645
YEAR*MONTH*DENSITY	3	0.13695728	0.08	0.9708	3	0.13695728	0.08	0.9708