

APPENDIX C2: NEFSC Weighout CPUE GLM model

The SAS System
 14:00 Thursday, March 31, 2005 1
 The GLM Procedure

Class Level Information

Class	Levels	Values
Indyear	15	1979 1980 1981 1982 1983 1985 1986 1987 1988 1989 1990 1991 1992 1993 9999
permit	92	delete permit numbers
Number of observations 1897		

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The GLM Procedure
 Dependent Variable: LNCPUE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	105	743.569869	7.081618	23.67	<.0001
Error	1791	535.787323	0.299155		

Corrected Total 1896 1279.357192

R-Square	Coeff Var	Root MSE	LNCPUE Mean
0.581206	8.116663	0.546951	6.738619

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Indyear	14	566.9637531	40.4974109	135.37	<.0001
permit	91	176.6061156	1.9407265	6.49	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Indyear	14	281.1521083	20.0822934	67.13	<.0001
permit	91	176.6061156	1.9407265	6.49	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	6.232567267 B	0.11429828	54.53	<.0001
Indyear 1979	1.022878443 B	0.07430951	13.77	<.0001
Indyear 1980	0.991305758 B	0.07181247	13.80	<.0001
Indyear 1981	0.957632235 B	0.07168379	13.36	<.0001
Indyear 1982	0.461931590 B	0.07359297	6.28	<.0001
Indyear 1983	0.036989477 B	0.07511938	0.49	0.6225
Indyear 1985	-0.116577906 B	0.07301030	-1.60	0.1105
Indyear 1986	0.078237855 B	0.07992860	0.98	0.3278
Indyear 1987	0.235247667 B	0.07689409	3.06	0.0023
Indyear 1988	-0.290869711 B	0.08580020	-3.39	0.0007
Indyear 1989	-0.437414680 B	0.11355219	-3.85	0.0001
Indyear 1990	-0.412418009 B	0.10524248	-3.92	<.0001
Indyear 1991	-0.462210977 B	0.09637704	-4.80	<.0001
Indyear 1992	-0.213720208 B	0.09349023	-2.29	0.0224
Indyear 1993	-0.277906028 B	0.09113548	-3.05	0.0023
Indyear 9999	0.000000000 B	.	.	.
permit -	0.053877941 B	0.39953947	0.13	0.8927
permit -	0.290799259 B	0.40217631	0.72	0.4697
permit -	2.200653904 B	0.55660933	3.95	<.0001
permit -	-0.720065816 B	0.33062733	-2.18	0.0295
permit -	1.204048080 B	0.23673422	5.09	<.0001
permit -	-0.918838210 B	0.55660933	-1.65	0.0990
permit -	0.884977111 B	0.55660933	1.59	0.1120
permit -	0.089186369 B	0.13030426	0.68	0.4938
permit -	0.351073875 B	0.55660933	0.63	0.5283
permit -	-0.474685588 B	0.40127024	-1.18	0.2370
permit -	-1.051239079 B	0.55796370	-1.88	0.0597
permit -	0.883791874 B	0.55876605	1.58	0.1139
permit -	0.042036558 B	0.15197217	0.28	0.7821

permit	-	-2.501448583	B	0.55827964	-4.48	<.0001
permit	-	0.450272193	B	0.12822212	3.51	0.0005
permit	-	0.471191134	B	0.55809344	0.84	0.3986
permit	-	-0.050060896	B	0.14723604	-0.34	0.7339
permit	-	-0.138317903	B	0.24734699	-0.56	0.5761
permit	-	0.288864363	B	0.40301160	0.72	0.4736
permit	-	-0.719753788	B	0.55856606	-1.29	0.1977
permit	-	0.539895149	B	0.20257954	2.67	0.0078
permit	-	0.200325406	B	0.14810284	1.35	0.1764
permit	-	0.166798650	B	0.13012707	1.28	0.2001
permit	-	0.171959971	B	0.11302093	1.52	0.1283
permit	-	0.231976547	B	0.12244851	1.89	0.0583
permit	-	0.024125664	B	0.13432034	0.18	0.8575
permit	-	0.094051267	B	0.16446785	0.57	0.5675
permit	-	0.371090946	B	0.17507191	2.12	0.0342
permit	-	0.068525060	B	0.15621988	0.44	0.6610
permit	-	0.291237884	B	0.55606608	0.52	0.6005
permit	-	0.250774748	B	0.19444954	1.29	0.1973
permit	-	-1.365464039	B	0.19254217	-7.09	<.0001
permit	-	0.202892095	B	0.11692497	1.74	0.0829
permit	-	-0.150565146	B	0.55660933	-0.27	0.7868
permit	-	-1.227887492	B	0.55827964	-2.20	0.0280
permit	-	-1.316984788	B	0.55796370	-2.36	0.0184
permit	-	0.055682092	B	0.55606608	0.10	0.9202
permit	-	0.476788308	B	0.56089822	0.85	0.3954
permit	-	-1.513147475	B	0.22407363	-6.75	<.0001
permit	-	0.925030445	B	0.56089822	1.65	0.0993
permit	-	-0.260880622	B	0.40623775	-0.64	0.5208
permit	-	0.277147040	B	0.11033921	2.51	0.0121
permit	-	-0.894403775	B	0.26894018	-3.33	0.0009
permit	-	-0.087797738	B	0.21953680	-0.40	0.6893
permit	-	0.002668324	B	0.19877790	0.01	0.9893
permit	-	0.496364007	B	0.10872728	4.57	<.0001
permit	-	-0.163600190	B	0.55796370	-0.29	0.7694
permit	-	0.467983305	B	0.12033347	3.89	0.0001
permit	-	0.024708856	B	0.13276574	0.19	0.8524
permit	-	-1.665756882	B	0.40275435	-4.14	<.0001
permit	-	-0.008289609	B	0.21203679	-0.04	0.9688
permit	-	0.422212817	B	0.56253472	0.75	0.4530
permit	-	-0.994541917	B	0.41068120	-2.42	0.0155
permit	-	0.640814312	B	0.17122800	3.74	0.0002
permit	-	0.289229697	B	0.11245469	2.57	0.0102
permit	-	0.232020794	B	0.11406216	2.03	0.0421
permit	-	0.435287696	B	0.23285239	1.87	0.0617
permit	-	-0.093362255	B	0.55876605	-0.17	0.8673
permit	-	0.565119319	B	0.29382393	1.92	0.0546
permit	-	0.185883996	B	0.10864670	1.71	0.0873
permit	-	0.383628924	B	0.26777330	1.43	0.1521
permit	-	-0.429338431	B	0.15476255	-2.77	0.0056
permit	-	0.941153790	B	0.26751142	3.52	0.0004
permit	-	-0.144900138	B	0.55876605	-0.26	0.7954
permit	-	-0.018365360	B	0.39831869	-0.05	0.9632
permit	-	0.233109656	B	0.24325318	0.96	0.3380
permit	-	0.579583698	B	0.55656992	1.04	0.2979
permit	-	0.280357477	B	0.14815327	1.89	0.0586
permit	-	-0.220190021	B	0.33549831	-0.66	0.5117
permit	-	0.477244382	B	0.17126647	2.79	0.0054
permit	-	0.586558492	B	0.29544304	1.99	0.0473
permit	-	1.003951166	B	0.55606608	1.81	0.0712
permit	-	0.882877530	B	0.33498687	2.64	0.0085
permit	-	0.191509700	B	0.24286878	0.79	0.4305
permit	-	0.297364159	B	0.29099874	1.02	0.3070
permit	-	0.283495433	B	0.12957609	2.19	0.0288
permit	-	1.042813481	B	0.56089822	1.86	0.0632
permit	-	-0.065468315	B	0.19188028	-0.34	0.7330
permit	-	-0.153684912	B	0.40328873	-0.38	0.7032
permit	-	0.036432483	B	0.15621610	0.23	0.8156
permit	-	0.099929826	B	0.29223882	0.34	0.7324

permit	-	0.224377910 B	0.11753056	1.91	0.0564
permit	-	0.334472400 B	0.29263852	1.14	0.2532
permit	-	0.346528767 B	0.39933585	0.87	0.3856
permit	-	0.131354900 B	0.17613902	0.75	0.4559
permit	-	0.056859718 B	0.15272950	0.37	0.7097
permit	-	-1.420176111 B	0.55660933	-2.55	0.0108
permit	-	-1.054505031 B	0.33062733	-3.19	0.0015
permit	-	1.290671749 B	0.56253472	2.29	0.0219
permit	-	-0.545675103 B	0.55660933	-0.98	0.3270
permit	-	0.722755358 B	0.12789264	5.65	<.0001
permit	-	0.000000000 B	.	.	.