

APPENDIX A - Data file for the northern California (north of Point Conception) gopher rockfish model

```
# norgopherCVs.dat
# v1.19 of SS2 as of May 3, 2005
# STAR panel baseline, emphasis on CPFV survey = 5
# standardized and weighted CVs in survey and samples for lengths
# commercial adjusted landings in 1984-1988; recreational catches from 1965-1982 reestimated
# discards are in catch - no discard likelihood component
# sigmaR freely estimated from 1965-2000
# h=0.65      M=0.2      CV=0.06
# RecFIN CPUE index removed from final model (STAR request)
```

```
#_Number_of_datafiles: 1
#_start_nudata: 1
```

```
1965 #_styr_earlier
2004 #_endyr
1 #_nseas
12 #_months/season
1 #_spawn_seas
2 #_Nfleet; 1=commercial, 2=recreational
1 #_Nsurv; 3=CPFV survey
```

```
commercial%recreational%Deb'sCPFV
0.5 0.5 0.5 #_surveytiming_in_season
```

```
1 #_Ngenders
40 #_Nages
```

```
10.638 8.61 #_init_equil_catch_for_each_fishery
#_catch_biomass(mttons):_columns_are_fisheries,_rows_are_year*season
10.638 8.61 #1965_avg69-73
10.638 8.61 #1966_avg69-73
10.638 8.61 #1967_avg69-73
10.638 8.61 #1968_avg69-73
17.155 13.88 #1969_CFIS_RecEst
9.621 7.79 #1970_CFIS_RecEst
4.788 3.87 #1971_CFIS_RecEst
10.682 8.65 #1972_CFIS_RecEst
10.945 8.86 #1973_CFIS_RecEst
15.505 12.55 #1974_CFIS_RecEst
32.699 26.47 #1975_CFIS_RecEst
34.761 28.13 #1976_CFIS_RecEst
21.702 17.57 #1977_CFIS_RecEst
43.025 34.82 #1978_CALCOCOM_RecEst
33.679 27.26 #1979_CALCOCOM_RecEst
63.107 51.08 #1980_CALCOCOM_RecEst
52.171 42.23 #1981_CALCOCOM_RecEst
38.552 31.2 #1982_CALCOCOM_RecEst
26.585 11.39 #1983_CALCOCOM_RecEst
16.69 34.58 #1984_CALCOCOM_RecEst
15.93 31.81 #1985_CALCOCOM_RecEst
26.01 26.80 #1986_CALCOCOM_RecEst
34.01 17.03 #1987_CALCOCOM_RecEst
55.58 27.54 #1988_CALCOCOM_RecEst
42.339 26.61 #1989_CALCOCOM_RecEst
43.429 115.99 #1990_CALCOCOM_surveyEst
63.905 120.34 #1991_CALCOCOM_surveyEst
74.444 132.09 #1992_CALCOCOM_surveyEst
65.295 143.33 #1993_CALCOCOM_surveyEst
39.898 118.70 #1994_CALCOCOM_surveyEst
56.726 57.73 #1995_CALCOCOM_surveyEst
51.365 37.85 #1996_CALCOCOM_RecFIN
```

```

41.988 37.98 #1997_CALCOCM_RecFIN
35.638 40 #1998_CALCOCM_RecFIN
34.652 48.86 #1999_CALCOCM_RecFIN
32.219 59.05 #2000_CALCOCM_RecFIN
40.392 103.9 #2001_CALCOCM_RecFIN -- recreational value and runs corrected for SAFE document (from 130.9)
31.199 76.97 #2002_CALCOCM_RecFIN
12.874 134.24 #2003_CALCOCM_RecFIN
15.37 34.91 #2004_CALCOCM_RecFIN

```

```

12 #_N_cpue_and_surveyabundance_observations
#_year seas type value se(log) #source
1987 1 3 0.321 0.5 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1988 1 3 0.32 0.3 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1989 1 3 0.439 0.2 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1990 1 3 0.239 0.5 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1991 1 3 0.32 0.6 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1992 1 3 0.564 0.3 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1993 1 3 0.445 0.3 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1994 1 3 0.453 0.2 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1995 1 3 0.514 0.2 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1996 1 3 0.65 0.2 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1997 1 3 0.535 0.3 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)
1998 1 3 0.582 0.2 #CPAH_jackaddnorm GLM -- needs correcting (see App.C)

```

```

0 #_discard_type
0 #_N_discard_obs

```

```

7 #_N_meanbodywt_obs;kilograms
#Year Seas Type Partition Value CV
1983 1 2 2 0.409 0.06 #RecFIN_samp_Type3
1984 1 2 2 0.311 0.02 #RecFIN_samp_Type3
1985 1 2 2 0.279 0.03 #RecFIN_samp_Type3
1986 1 2 2 -1 -1 #RecFIN_samp_Type3
1987 1 2 2 0.399 0.06 #RecFIN_samp_Type3
1988 1 2 2 0.254 0.05 #RecFIN_samp_Type3
1989 1 2 2 0.329 0.06 #RecFIN_samp_Type3

```

```

-1 # min_proportion_for_compressing_tails_of_observed_composition -1 is no compression

```

```

0.0001 #_add_to_comp

```

```

13 #_N_LengthBins
18 20 22 24 26 28 30 32 34 36 38 40

```

```

38 #_N_Length_obs
#Yr Seas Flt/Svy Gender Part Nsamp datavector(female-male)
1992 1 1 0 2 75 0 0 0.027591474 0.141045222 0.460953583 0.261936384 0.098512517 0.009960821
1993 1 1 0 2 111 0 5.07898E-05 0.004012393 0.040530245 0.145715882 0.288943065 0.327746457 0.154045406
1994 1 1 0 2 99 0 0.002445548 0.031741179 0.065647688 0.096599159 0.303782958 0.301210037 0.159470131
1995 1 1 0 2 81 0 0.007751938 0.039359287 0.033277656 0.113109769 0.228746413 0.393807015 0.138121547
1996 1 1 0 2 143 0 0.049474413 0.029395103 0.169257884 0.167810159 0.161704538 0.25297413 0.105809782
1997 1 1 0 2 69 0 0.001138354 0.032661996 0.018038529 0.102364273 0.195796848 0.302802102 0.274430823
1998 1 1 0 2 97 0 0.100953449 0.075715087 0.02277924 0.213727943 0.274904008 0.209111696 0.061391777
1999 1 1 0 2 117 0 0 0.001091147 0.000872918 0.080235688 0.385102204 0.333927402 0.148323271 0.037353
2000 1 1 0 2 159 0 0 0.000835721 0.071565016 0.410339064 0.335038887 0.141560922 0.035816619
2001 1 1 0 2 117 0 0 0.061783697 0.448104553 0.357168386 0.114525007 0.018418356 0
2002 1 1 0 2 77 0 0 0.061870857 0.339655455 0.380513954 0.167178165 0.043661511 0.006199
2003 1 1 0 2 50 0 0 0.01008652 0.004034608 0.024073161 0.395929529 0.411171381 0.122024477 0.025552
2004 1 1 0 2 59 0 0 0.001462844 0.01170275 0.420421299 0.46489175 0.085137507 0.001462844
1986 1 2 0 2 58 0.004310345 0.00862069 0.051724138 0.176724138 0.198275862 0.306034483 0.13362069 0.073275
1993 1 2 0 2 387 0.001153403 0.006920415 0.024221453 0.059976932 0.162629758 0.280276817 0.311418685 0.117647
1994 1 2 0 2 220 0 0 0.008591065 0.030927835 0.130584192 0.285223368 0.341924399 0.161512027 0.030927
1995 1 2 0 2 109 0.030726257 0.094972067 0.036312849 0.103351955 0.117318436 0.206703911 0.217877095 0.148044
1996 1 2 0 2 201 0.009107468 0.036429872 0.149362477 0.160291439 0.14571949 0.209471767 0.149362477 0.080145
1997 1 2 0 2 500 0.003602305 0.008645533 0.030259366 0.11815562 0.257204611 0.310518732 0.188760807 0.063400
1998 1 2 0 2 500 0.00148368 0.011869436 0.045994065 0.135014837 0.273738872 0.306379822 0.170623145 0.039317
1999 1 2 0 2 482 0 0.006937562 0.038652131 0.099108028 0.198216056 0.32111001 0.246778989 0.075322101

```

2000	1	2	0	2	240	0.001610306	0.020933977	0.040257649	0.099838969	0.210950081	0.286634461	0.204508857	0.085346
2001	1	2	0	2	368	0	0.008363202	0.045400239	0.096774194	0.224611708	0.365591398	0.187574671	0.045400239
2002	1	2	0	2	500	0.000645995	0.003875969	0.018087855	0.072351421	0.207364341	0.315245478	0.253229974	0.096899
2003	1	2	0	2	500	0	0.001272265	0.012086514	0.043256997	0.173664122	0.312977099	0.282442748	0.124681934
2004	1	2	0	2	500	0	0.001554243	0.010258004	0.049735779	0.148896487	0.310226919	0.299347218	0.126204538
1987	1	3	0	2	21	0.014084507	0	0.014084507	0.042253521	0.183098592	0.197183099	0.253521127	0.197183099
1988	1	3	0	2	202	0.006339144	0.004754358	0.049128368	0.123613312	0.264659271	0.228209192	0.17274168	0.090332
1989	1	3	0	2	231	0.001398601	0.002797203	0.013986014	0.075524476	0.25034965	0.33006993	0.218181818	0.071328
1990	1	3	0	2	32	0	0	0.027522936	0.082568807	0.119266055	0.311926606	0.293577982	0.110091743
1991	1	3	0	2	229	0.00143472	0.00143472	0.005738881	0.065997131	0.173601148	0.329985653	0.279770445	0.101865
1992	1	3	0	2	269	0	0	0.014652015	0.052503053	0.180708181	0.340659341	0.275946276	0.10989011
1993	1	3	0	2	195	0.001666667	0.003333333	0.028333333	0.065	0.188333333	0.303333333	0.275	0.103333333
1994	1	3	0	2	233	0.002781641	0.001390821	0.040333797	0.087621697	0.191933241	0.307371349	0.225312935	0.114047
1995	1	3	0	2	376	0.003478261	0.005217391	0.017391304	0.056521739	0.225217391	0.308695652	0.23826087	0.121739
1996	1	3	0	2	475	0.008339124	0.008339124	0.038915914	0.102154274	0.211952745	0.293954135	0.231410702	0.079916
1997	1	3	0	2	460	0.003561254	0.001424501	0.031339031	0.126068376	0.274216524	0.301282051	0.185897436	0.060541
1998	1	3	0	2	334	0.004878049	0.008780488	0.060487805	0.16	0.290731707	0.283902439	0.149268293	0.028292683

0 # No age bins, no age info
0 # no ageerr types defined
0 #_N_age_observations
0 #_N_size@age_observations

#_environmental_data
0 # N_variables
0 # N_observations

999 # end-of-file-marker