Table 9. Yield and spawning biomass per recruit of southern New England – Mid Atlantic yellowtail flounder.

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The NEFC Yield and Stock Size per Recruit Program - PDBYPRC
 PC Ver.1.2 [Method of Thompson and Bell (1934)] 1-Jan-1992
          ----------------------------------------
          Run Date: 17- 9-2002;  Time: 09:41:39.27
SNE-MA YELLOWTAIL FLOUNDER - 1994-2001 INPUT

Proportion of F before spawning:  .4167
Proportion of M before spawning:  .4167
Natural Mortality is Constant at:  .200
Initial age is:  1; Last age is:  8
Last age is a PLUS group;
Original age-specific PRs, Mats, and Mean Wts from file:
==> snemayt.dat
```

Age-specific Input data for Yield per Recruit Analysis

Age	Fish Mort Pattern	Nat Mort Pattern	Proportion Mature	Average Weights Catch	Stock
1	.0100	1.0000	.1300	.131	.131
2	.1700	1.0000	.7400	.310	.310
3	.6400	1.0000	.9800	.418	.418
4	1.0000	1.0000	1.0000	.525	.525
5	1.0000	1.0000	1.0000	.671	.671
6	1.0000	1.0000	1.0000	.869	.869
7	1.0000	1.0000	1.0000	.940	.940
8+	1.0000	1.0000	1.0000	1.026	1.026

```
Summary of Yield per Recruit Analysis for:
SNE-MA YELLOWTAIL FLOUNDER - 1994-2001 INPUT

 Slope of the Yield/Recruit Curve at F=0.00: -->    2.5485
   F level at slope=1/10 of the above slope (F0.1): ----->    .246
     Yield/Recruit corresponding to F0.1: ----->     .2265
   F level to produce Maximum Yield/Recruit (Fmax): ----->    .739
     Yield/Recruit corresponding to Fmax: ----->     .2581
   F level at 40 % of Max Spawning Potential (F40): ----->    .261
     SSB/Recruit corresponding to F40: -------->    1.1288
```

Table 9 continued.

Listing of Yield per Recruit Results for:
SNE-MA YELLOWTAIL FLOUNDER - 1994-2001 INPUT

	FMORT	TOTCTHN	TOTCTHW	TOTSTKN	TOTSTKW	SPNSTKN	SPNSTKW	% MSP
	.000	.00000	.00000	5.5167	3.2532	4.0669	2.8223	100.00
	.100	.21897	.15373	4.4270	2.2137	2.9720	1.8000	63.78
	.200	.33004	.21222	3.8766	1.7151	2.4167	1.3144	46.57
F0.1	.246	.36506	.22653	3.7037	1.5648	2.2416	1.1691	41.42
F40%	.261	.37497	.23015	3.6548	1.5231	2.1921	1.1288	40.00
	.300	.39788	.23774	3.5420	1.4281	2.0776	1.0374	36.76
	.400	.44405	.24951	3.3154	1.2441	1.8470	.8612	30.51
	.500	.47780	.25494	3.1508	1.1173	1.6786	.7405	26.24
	.600	.50373	.25727	3.0249	1.0251	1.5492	.6531	23.14
	.700	.52444	.25804	2.9249	.9552	1.4461	.5872	20.80
Fmax	.739	.53153	.25809	2.8908	.9321	1.4108	.5654	20.03
	.800	.54146	.25801	2.8432	.9005	1.3615	.5357	18.98
	.900	.55578	.25759	2.7747	.8565	1.2904	.4943	17.51
	1.000	.56805	.25698	2.7164	.8203	1.2297	.4603	16.31
	1.100	.57874	.25630	2.6658	.7899	1.1769	.4318	15.30
	1.200	.58817	.25559	2.6214	.7640	1.1304	.4075	14.44
	1.300	.59657	.25490	2.5819	.7416	1.0891	.3865	13.69
	1.400	.60414	.25424	2.5465	.7219	1.0521	.3682	13.04
	1.500	.61100	.25361	2.5145	.7046	1.0185	.3519	12.47
	1.600	.61728	.25301	2.4854	.6891	.9880	.3374	11.96
	1.700	.62305	.25245	2.4586	.6752	.9600	.3244	11.49
	1.800	.62838	.25191	2.4340	.6625	.9342	.3126	11.08
	1.900	.63334	.25140	2.4112	.6510	.9103	.3018	10.69
	2.000	.63796	.25091	2.3899	.6404	.8880	.2920	10.34