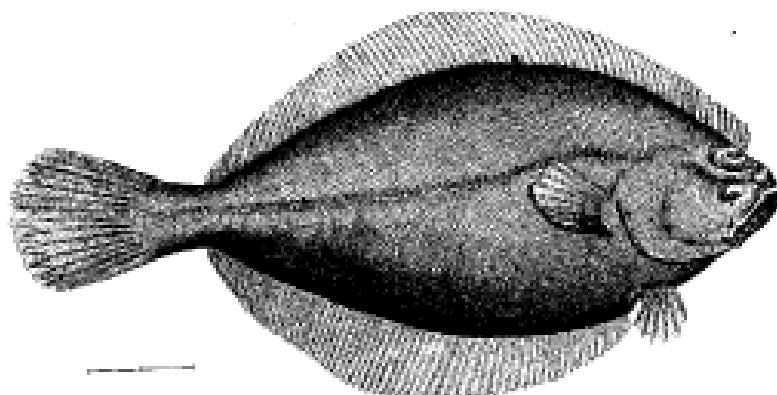


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## Gulf of Maine–Georges Bank American plaice



Loretta O'Brien

GARM III BRP Meeting  
April 28-May 2, 2008  
Woods Hole, Ma.

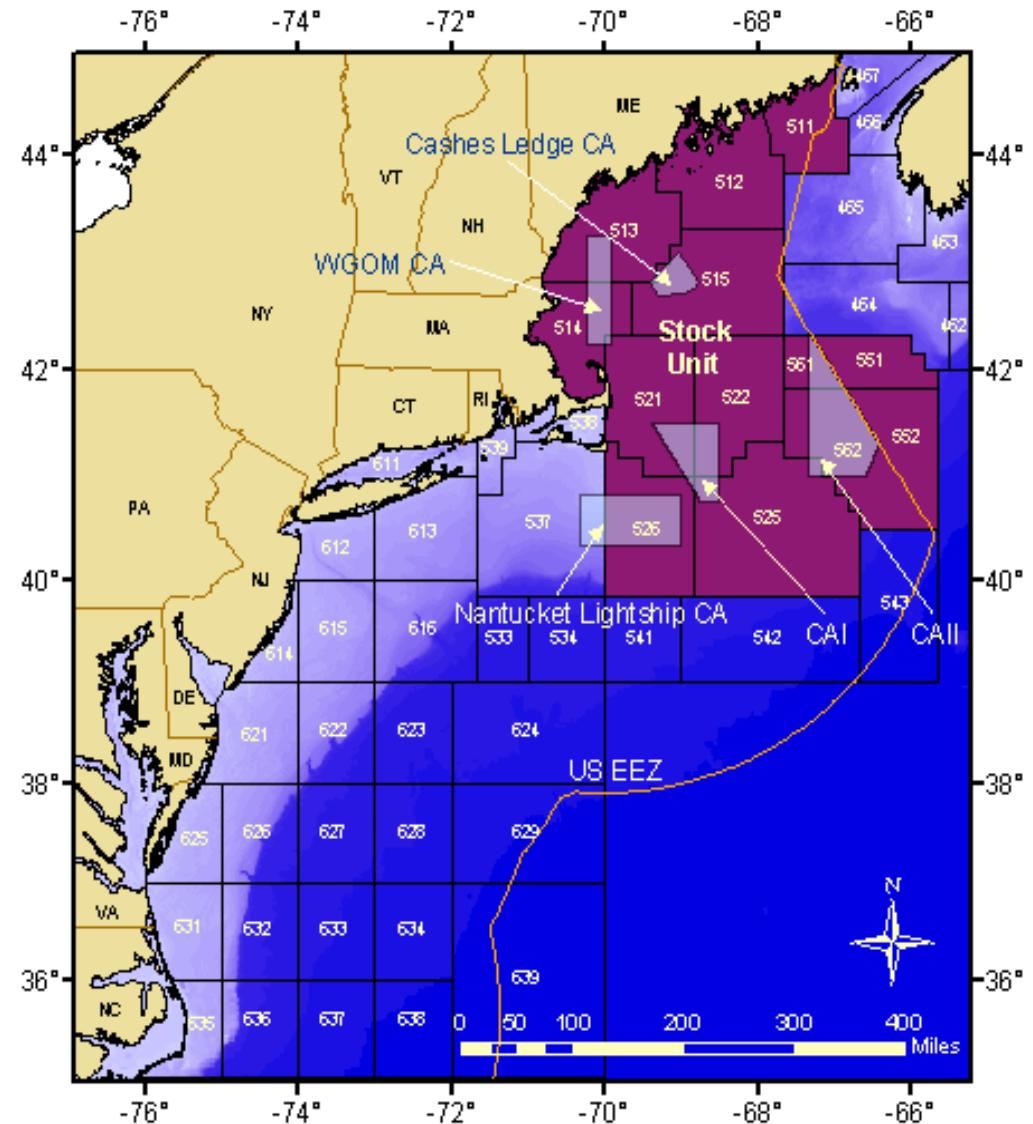
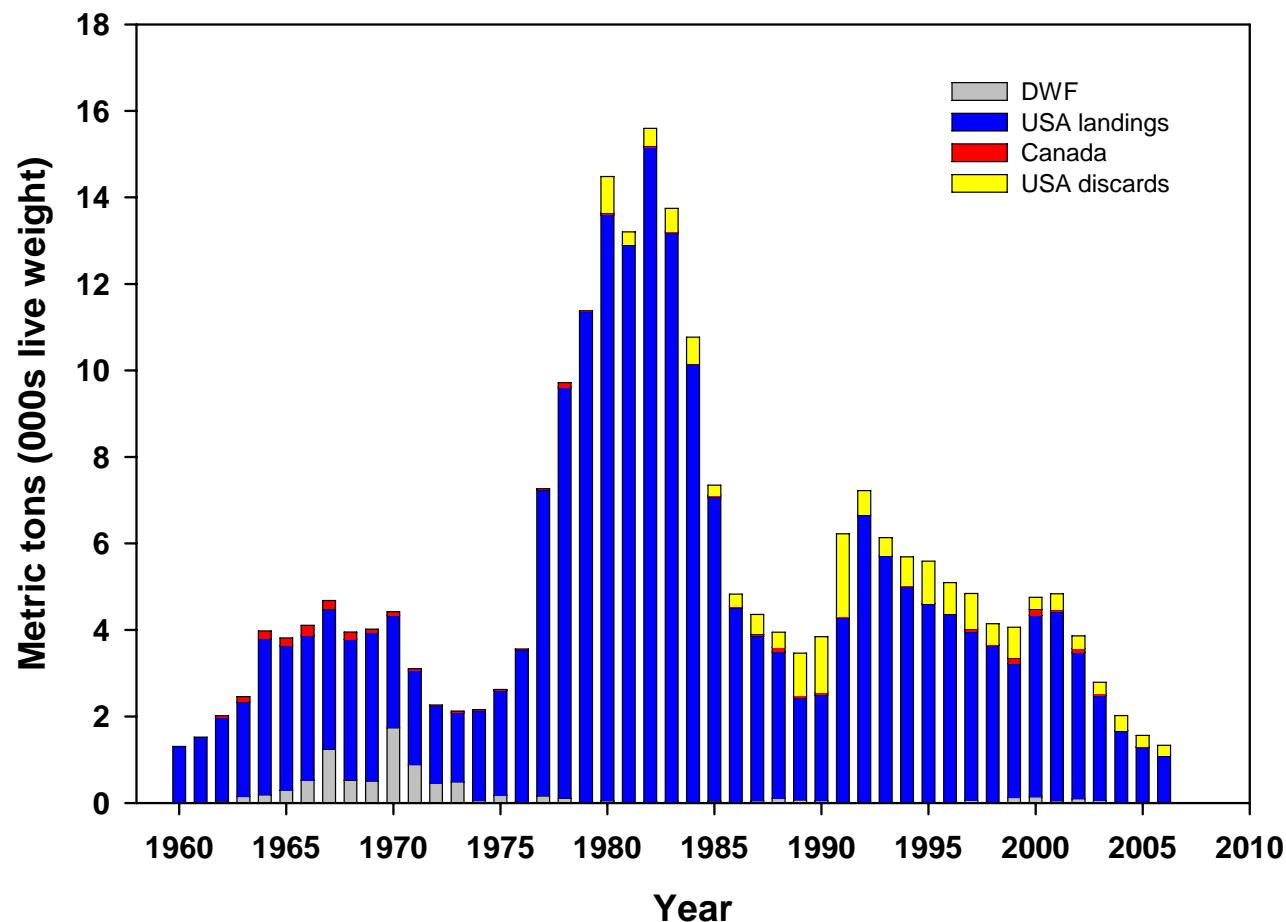
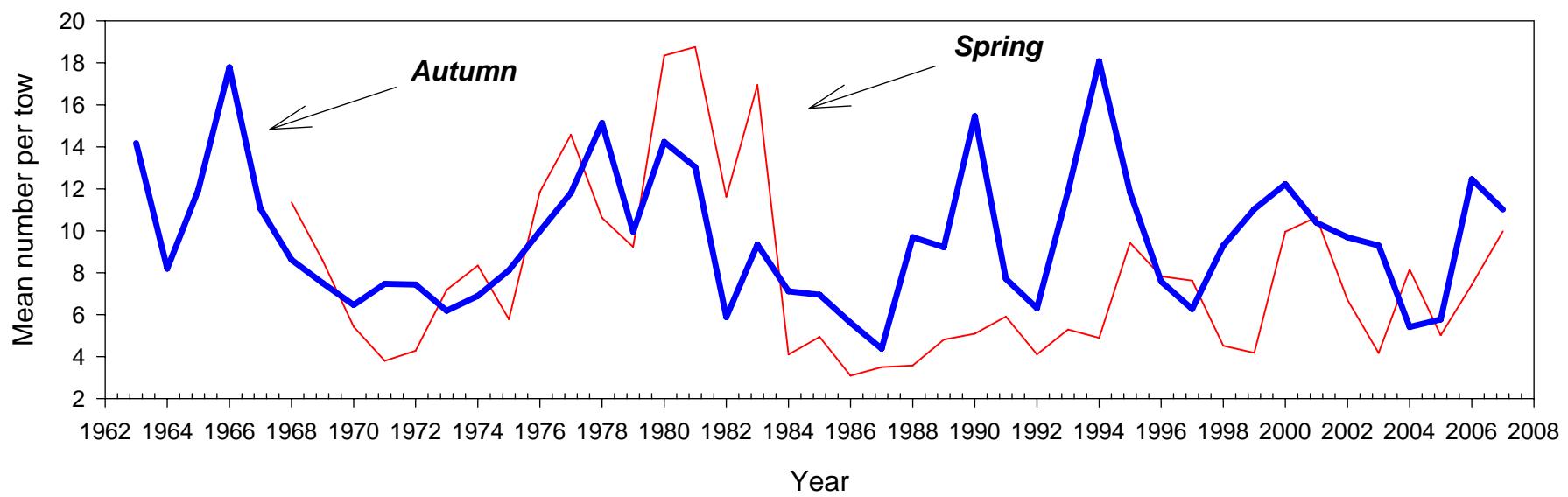
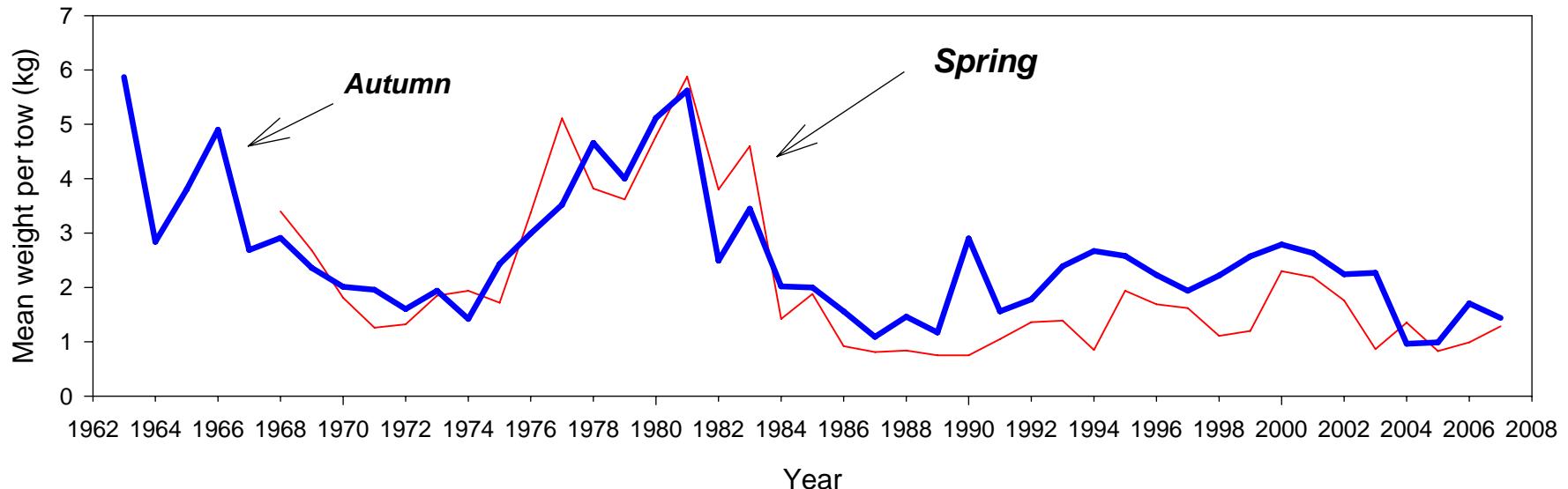


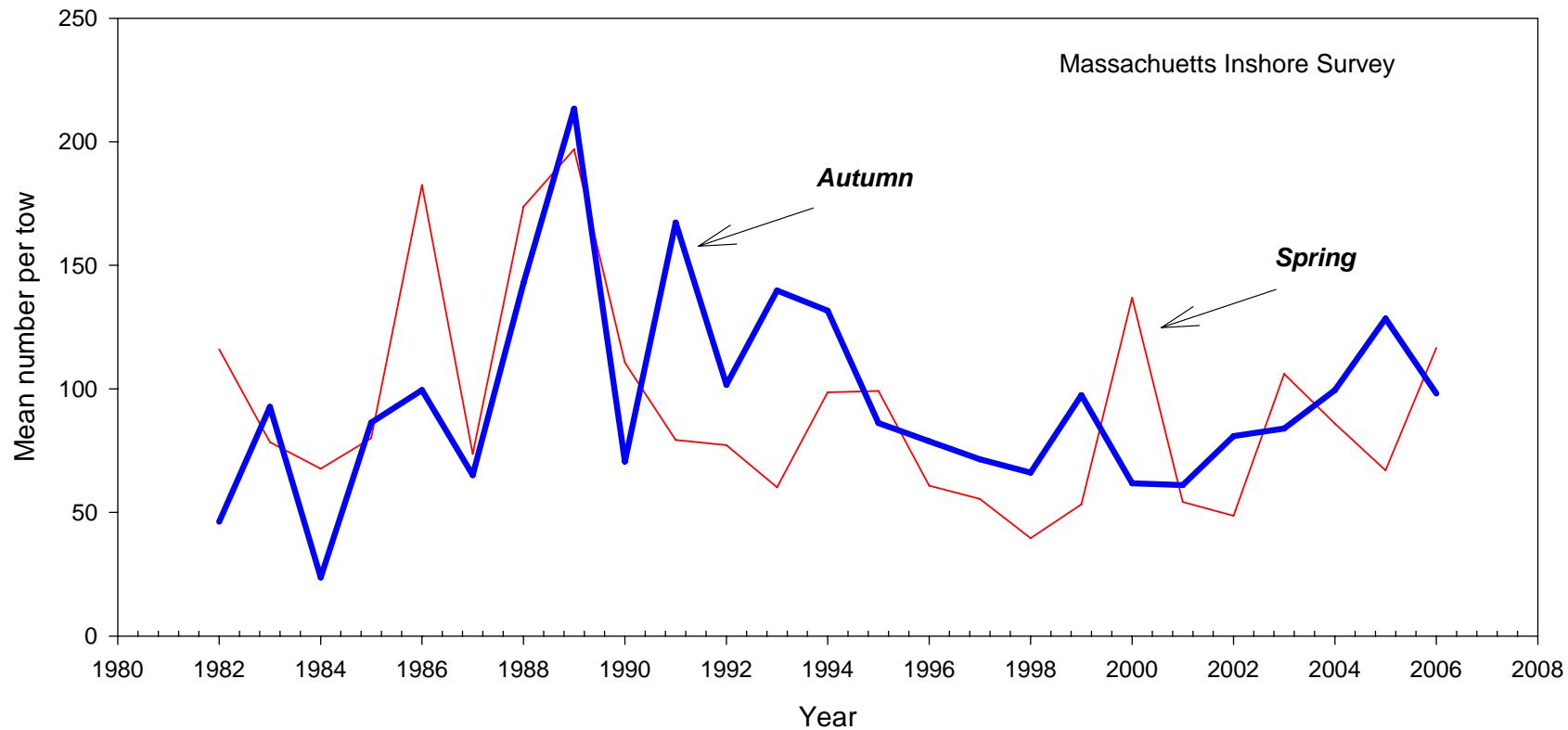
Figure 9.1. Statistical areas used to define the American plaice stock.

## Gulf of Maine – Georges Bank American plaice

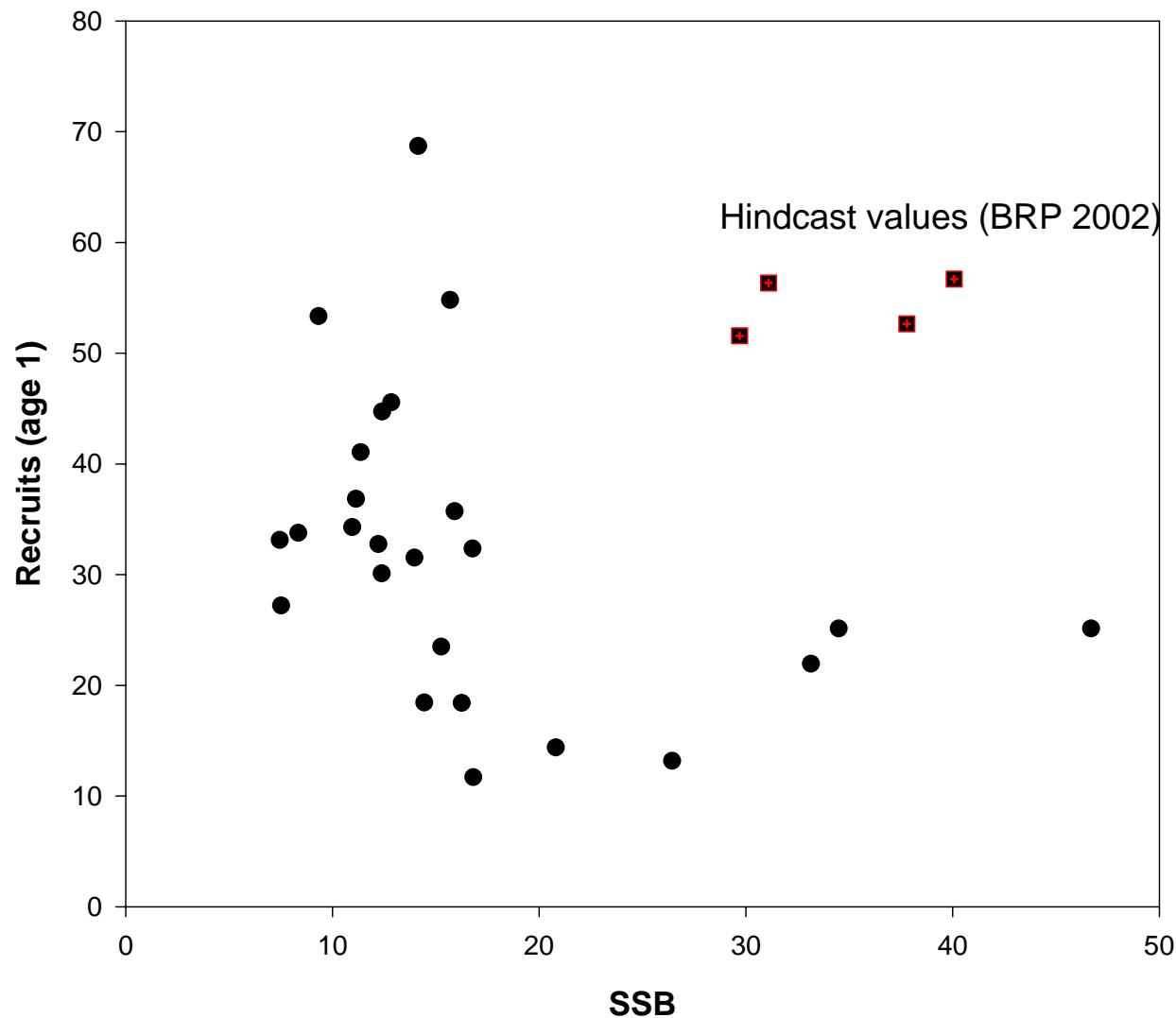


## NEFSC Surveys





**2004 TY**



<b>2002 BRP WG</b>	<b>F40%</b>	<b>Y/R</b>	<b>SSB/R</b>	<b>Mean R</b>	<b>SSBmsy</b>	<b>MSY</b>
	0.166	0.1714	0.99891	28.61	28.579	4904

<b>age</b>	<b>pr</b>	<b>stk wt</b>	<b>catch wt</b>	<b>ssb mat</b>	<b>mat</b>
1	0.03	0.01	0.016	0.01	0.00
2	0.1	0.029	0.05	0.029	0.03
3	0.12	0.087	0.158	0.087	0.17
4	0.49	0.228	0.297	0.228	0.60
5	1	0.36	0.439	0.36	0.92
6	1	0.521	0.618	0.521	1.00
7	1	0.727	0.855	0.727	1.00
8	1	0.96	1.094	0.96	1.00
9	1	1.565	1.606	1.565	1.00

<b>2002 BRP WG</b>	<b>F40%</b>	<b>Y/R</b>	<b>SSB/R</b>	<b>Mean R</b>	<b>SSBmsy</b>	<b>MSY</b>
	0.166	0.1714	0.99891	28.61	28.579	4904

<b>2004 TY</b>	32.307	32.272	5537
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<b>age</b>	<b>pr</b>	<b>stk wt</b>	<b>catch wt</b>	<b>ssb mat</b>	<b>mat</b>
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6	1	0.521	0.618	0.521	1.00
7	1	0.727	0.855	0.727	1.00
8	1	0.96	1.094	0.96	1.00
9	1	1.565	1.606	1.565	1.00

<b>YPR 2005</b>	<b>F40%</b>	<b>Y/R</b>	<b>SSB/R</b>	<b>Mean R</b>	<b>SSBmsy</b>	<b>MSY</b>
<b>2004 TY</b>	0.21	0.13904	0.7199	32.307	23.258	4492

**2004 ty 2005 assess**

<b>age</b>	<b>pr</b>	<b>stk wt</b>	<b>catch wt</b>	<b>ssb wt</b>	<b>mat</b>
1	0.000	0.012	0.012	0.012	0.00
2	0.003	0.014	0.021	0.014	0.02
3	0.023	0.061	0.161	0.061	0.14
4	0.326	0.250	0.326	0.250	0.59
5	0.884	0.352	0.384	0.352	0.93
6	1.000	0.436	0.480	0.436	0.99
7	1.000	0.559	0.599	0.559	1.00
8	1.000	0.698	0.760	0.698	1.00
9	1.000	1.040	1.032	1.040	1.00

<b>YPR 2005</b>	<b>F40%</b>	<b>Y/R</b>	<b>SSB/R</b>	<b>Mean R</b>	<b>SSBmsy</b>	<b>MSY</b>
<b>2004 TY</b>	0.18	0.13141	0.64592	32.307	20.868	4245

<b>2004 ty 2005 assess w/ avg svwts 2003-2007</b>					
	<b>pr</b>	<b>stk wt</b>	<b>catch wt</b>	<b>ssb wt</b>	<b>mat</b>
1	0.000	0.008	0.012	0.008	0.00
2	0.003	0.026	0.021	0.026	0.03
3	0.023	0.076	0.161	0.076	0.14
4	0.326	0.149	0.326	0.149	0.49
5	0.884	0.240	0.384	0.240	0.85
6	1.000	0.321	0.480	0.321	0.97
7	1.000	0.427	0.599	0.427	0.99
8	1.000	0.517	0.760	0.517	1.00
9	1.000	1.067	1.032	1.067	1.00

**Non-Parametric BRPs**

	F40%	Y/R	SSB/R	Mean R	SSBmsy	MSY
<b>2002 YPR</b>	0.166	0.1714	0.99891	28.61	28.579	4904
<b>2002 YPR/w 2004 RCT</b>				32.307	32.272	5537
<b>2005 YPR</b>	0.21	0.13904	0.7199	32.307	23.258	4492
<b>2005 YPR w/sv wts</b>	0.18	0.13775	0.70794	32.307	20.868	4245

### Non-Parametric BRPs

	F40%	Y/R	SSB/R	Mean R	SSBmsy	MSY
<b>2002 YPR</b>	0.166	0.1714	0.99891	28.61	28.579	4904
<b>2002 YPR/w 2004 RCT</b>				32.307	32.272	5537
<b>2005 YPR</b>	0.21	0.13904	0.7199	32.307	23.258	4492
<b>2005 YPR w/sv wts</b>	0.18	0.13775	0.70794	32.307	20.868	4245

### Projections, Empirical CDF of 2004TY Rct , and Boot N

	F40%	SSBmsy	MSY
<b>BRP 2002</b>	0.166	27.242	4192
<b>YPR 2005</b>	0.21	23.535	4536
<b>YPR 2005/ Spring SV weights</b>	0.18	20828	4317