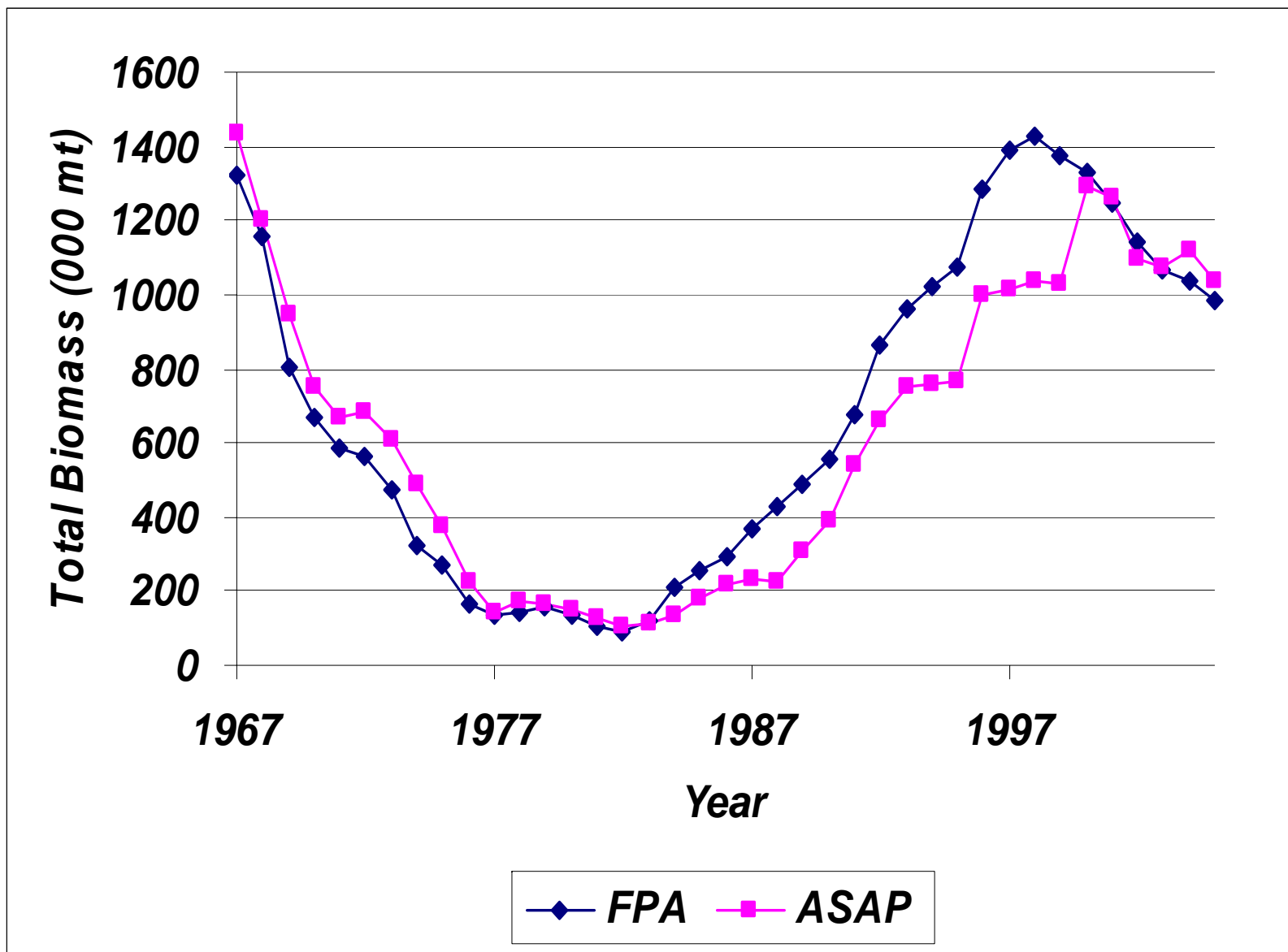
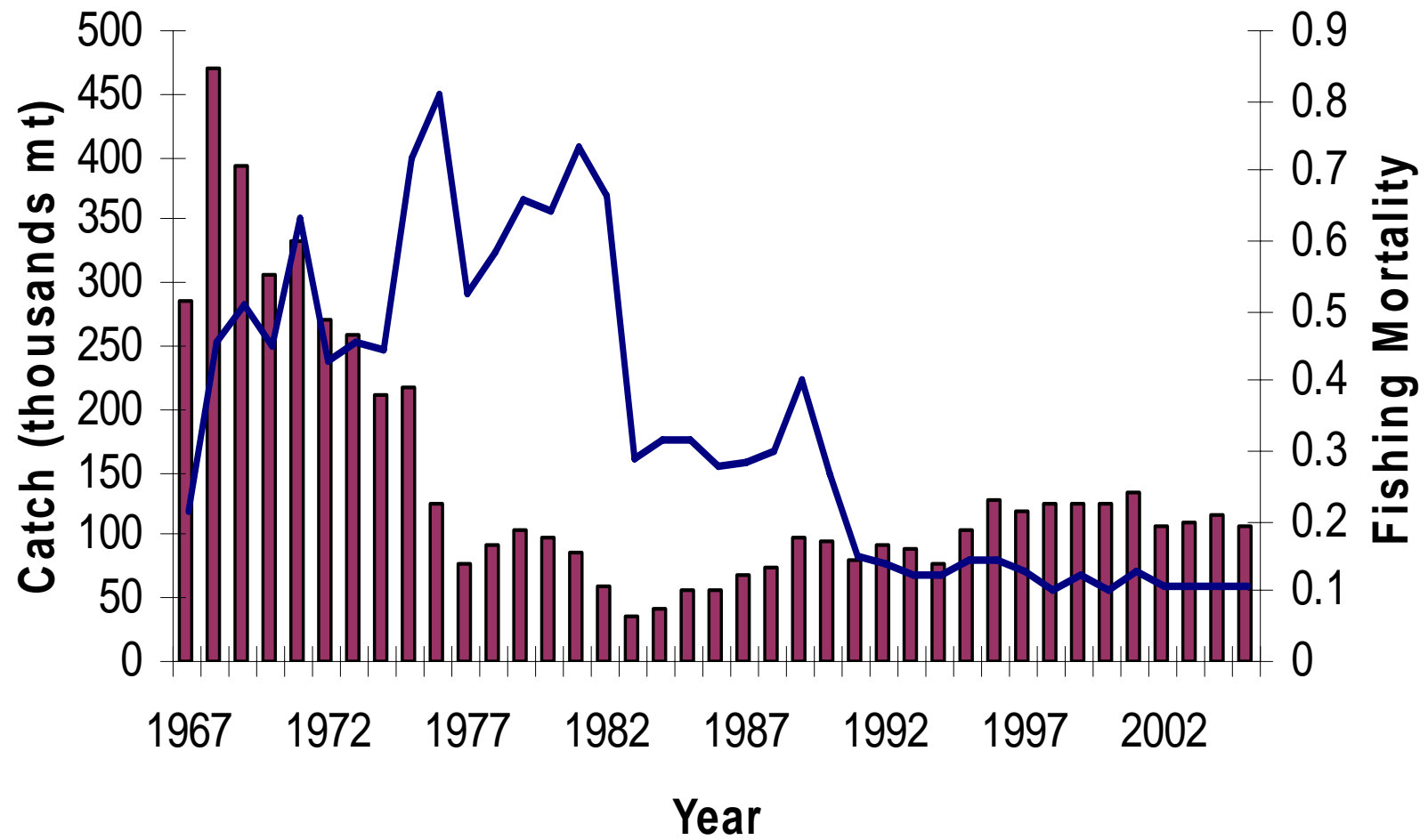
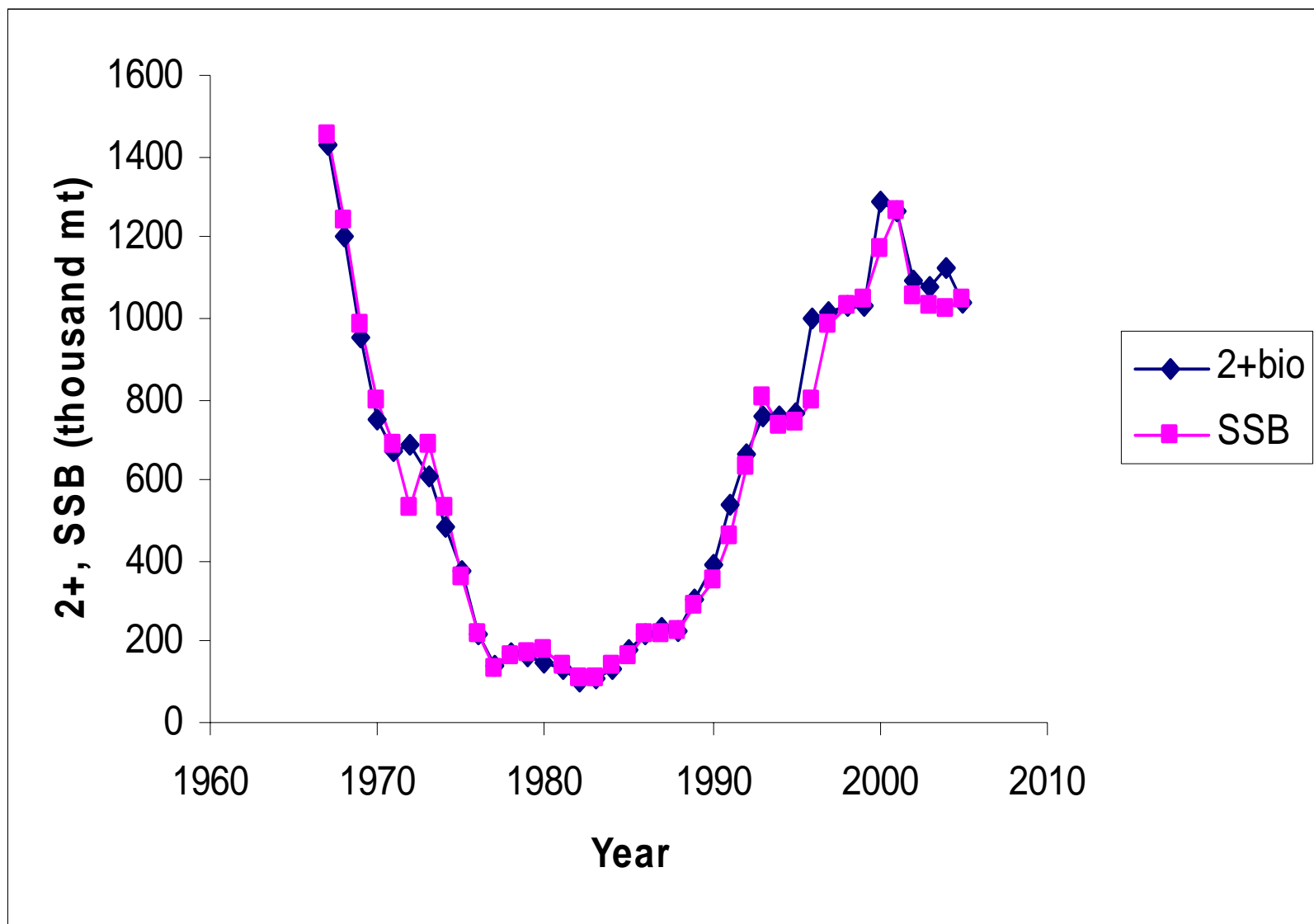


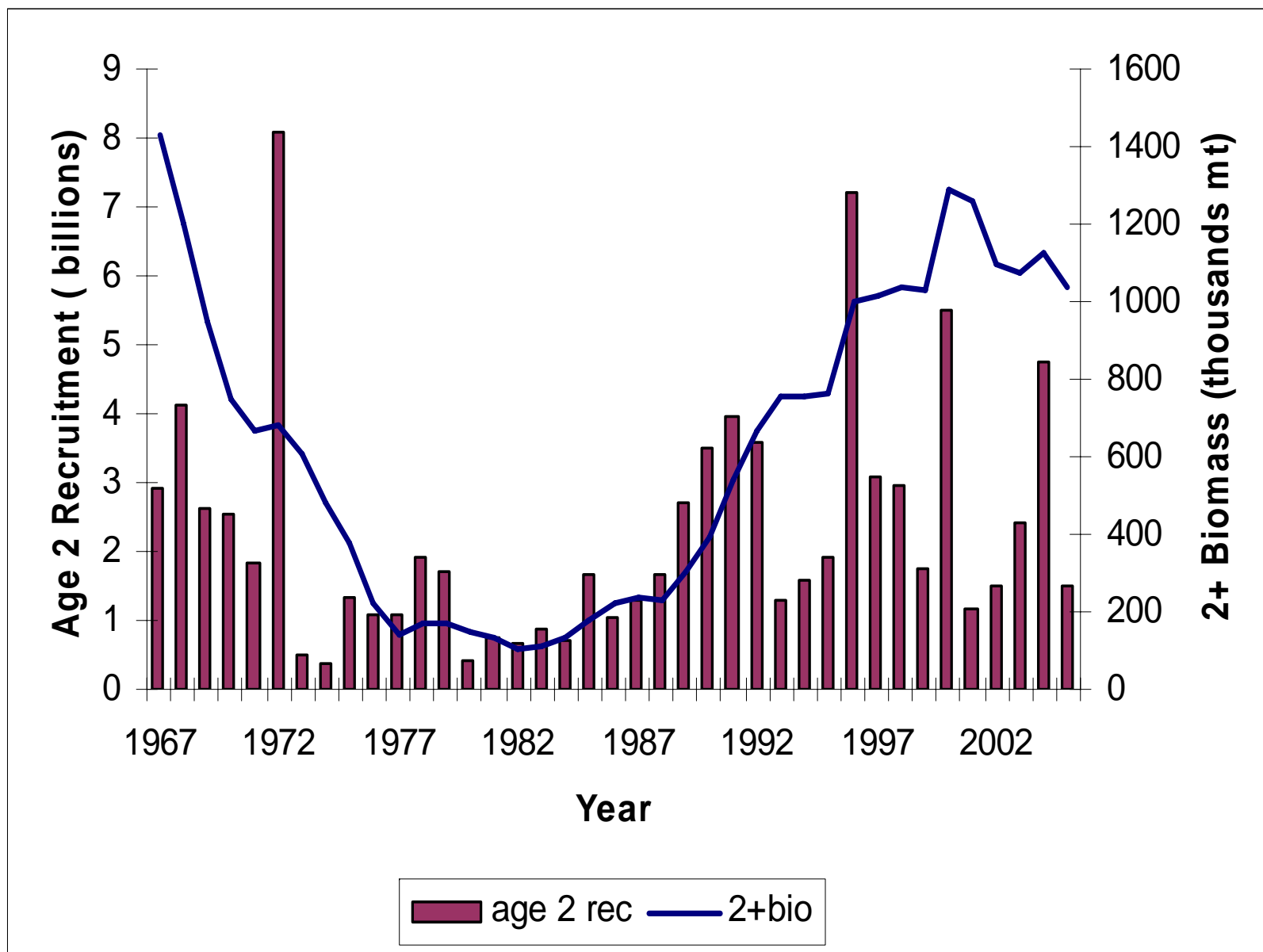
# GOM-GB Herring Complex Assessment Results

- **ASAP Model, full consensus on results by USA and Canada.**
- Canada and USA herring landings increased to 110,000 mt in 2003, increased further to 115,000 mt in 2004, and declined to 105,000 mt in 2005.
- **Stock biomass (2+)** increased from about 105,000 mt in 1982 to about 1.3 million mt in 2000, biomass has declined slightly and was 1.0 million mt in 2005.
- **Recruitment** at age 2 increased in the late 1980s with several moderate year classes. In the past decade, three very large year classes have been produced (the 1994, 1998, and 2002 cohorts).
- **Fishing mortality (age 2+)** declined from peak values above 0.70 in the 1970s to an average of 0.30 during the mid-late 1980s (Figure 1). Fishing mortality declined to 0.15 in 1991 and has remained at about 0.1 since 2002.
- The relative percentage of the **inshore component** in the herring stock complex is 18% based on three different data sources.
- Biological Reference Points were estimated as **Fmsy = 0.31, MSY = 194,000 mt, and Bmsy = 629,000 mt.**
- The stock complex is **not overfished** and **overfishing is not occurring.**

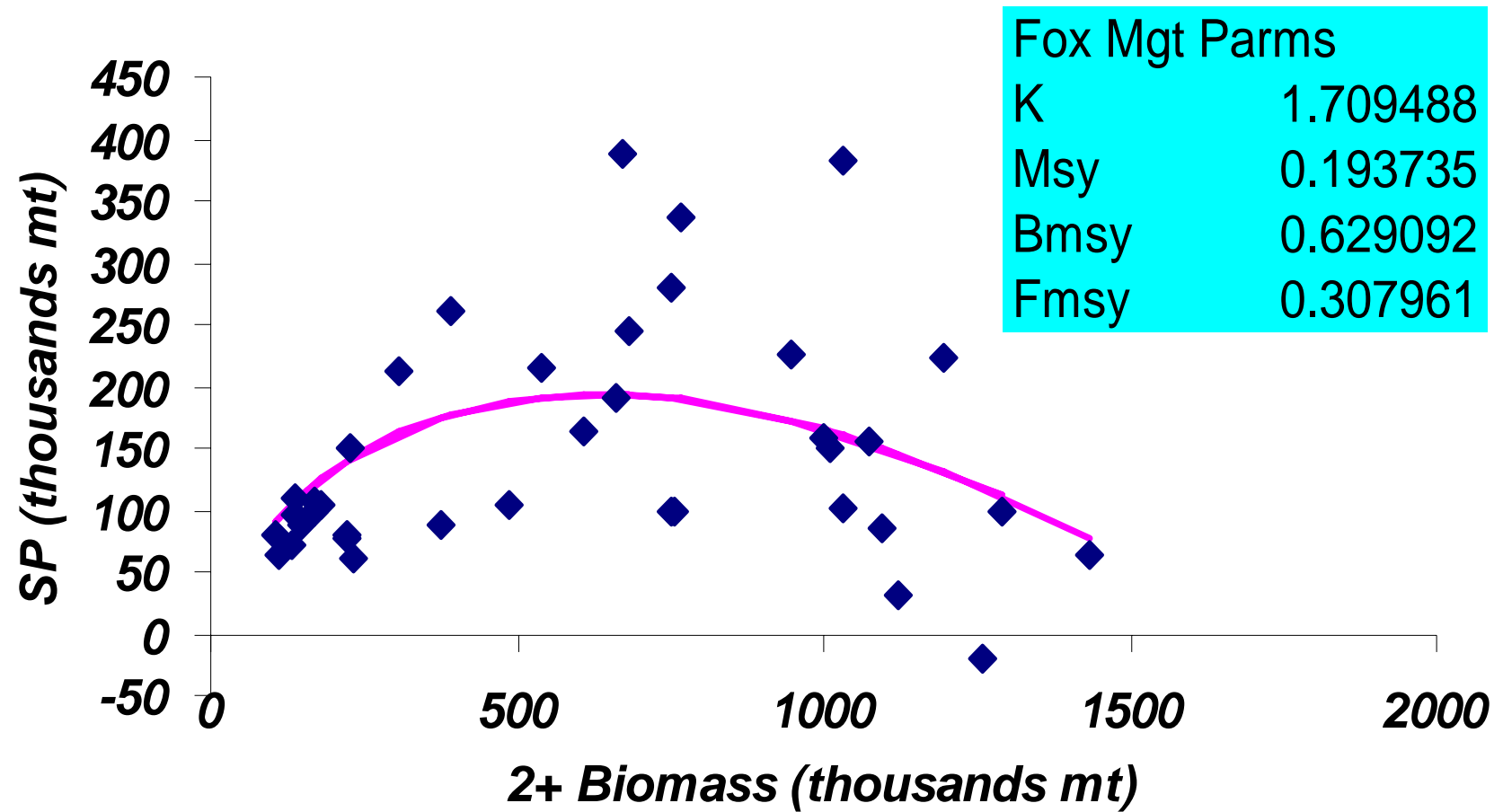




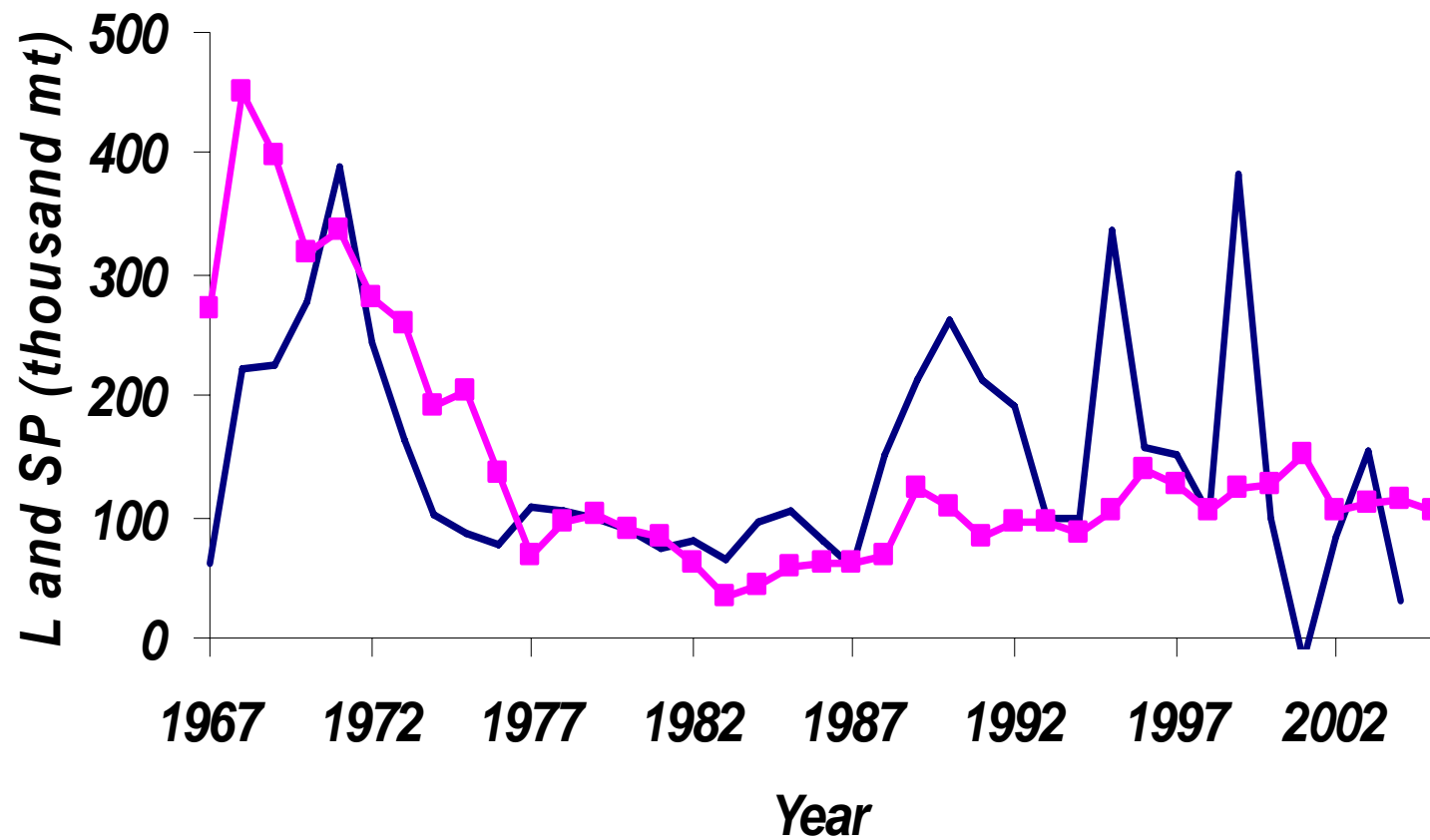




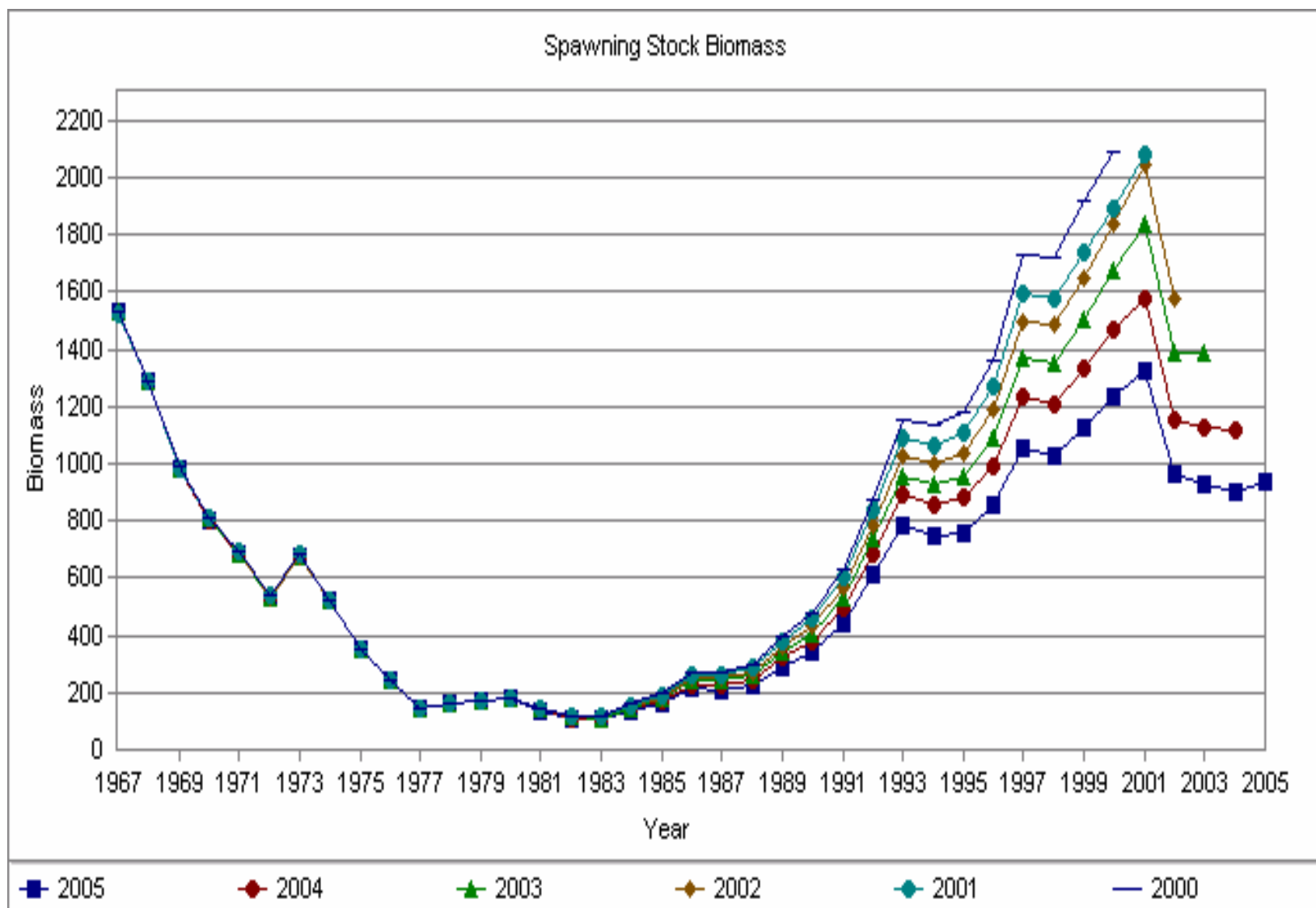
## ***Fox Surplus Production***



## *Surplus Production and Landings*



— SP Data —■ Landings





## ***Inshore Component Proportion***

<b>Acoustics</b>	0.1
<b>Stock ID</b>	0.13
<b>Survey SAB</b>	0.3
<b>Average</b>	0.18