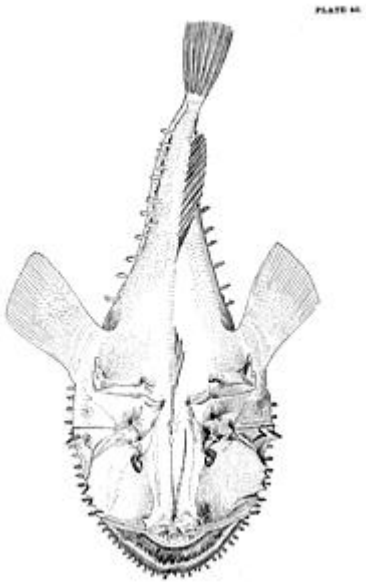
Appendix A2: SCALE Plot Collection Results for Northern and Southern Monkfish

VERY LARGE FILE
OVER 100 PAGES
LOOK BUT PLEASE DO NOT PRINT

Final Runs
Includes model Survey and Catch length frequency fits
5/14/2010

Southern Demersal Working Group

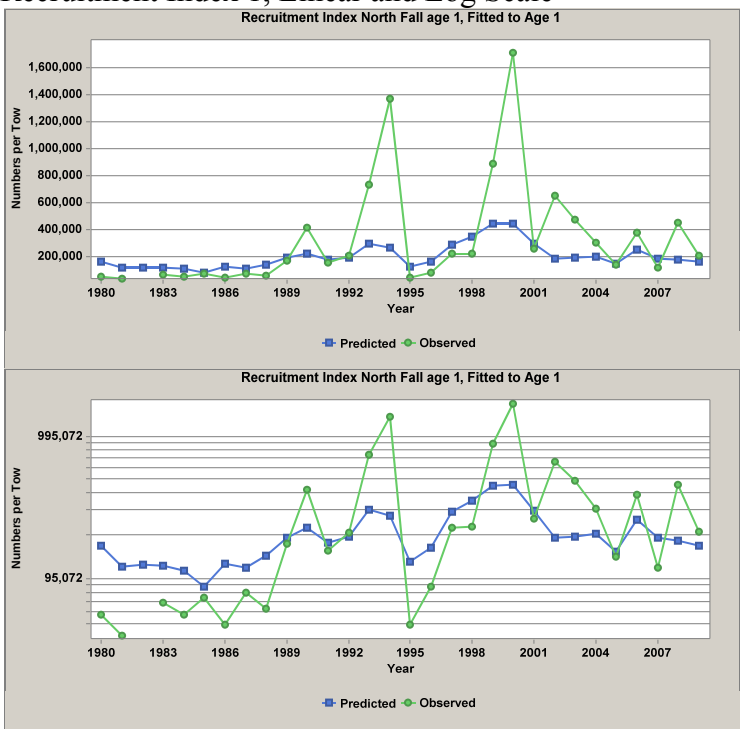


50th SAW/SARC

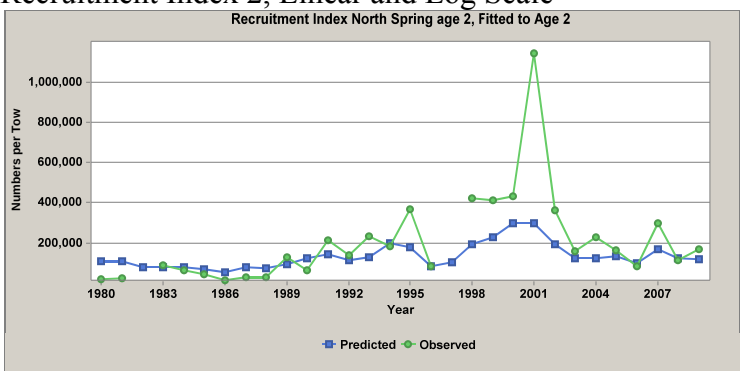
Northern Management Area Final Run 8

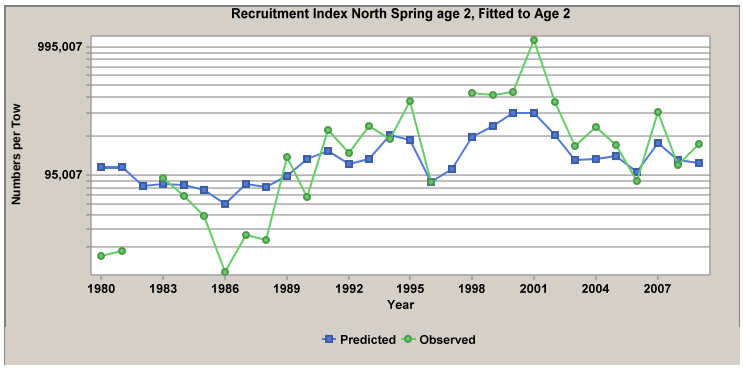
Recruitment Indices, Group Linear and Log Scale, 1 Index per Line (12 Plots)
Adult Indices, Group Linear and Log Scale, 1 Index per Line (8 Plots)
Survey Length Frequencies (210 Plots)
Catch Numbers, Catch Length Frequency (30 Plots)
Observed vs. Predicted Catch Weight (1 Plot)
Selectivity (1 Plots)
4-Plot: Population and Catch Numbers (60 Plots)
Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass: Group 2 per Line (4 Plots)

Recruitment Index 1, Linear and Log Scale

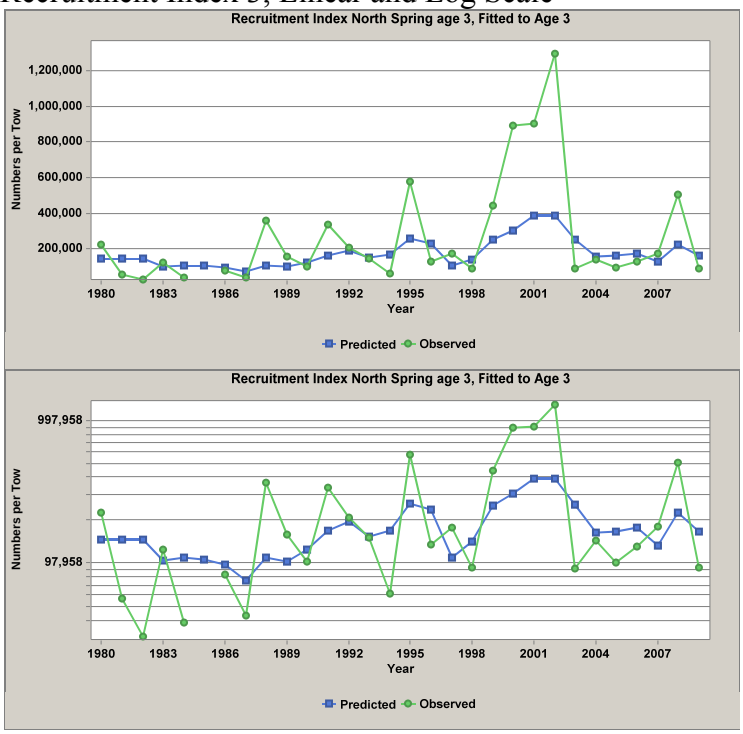


Recruitment Index 2, Linear and Log Scale

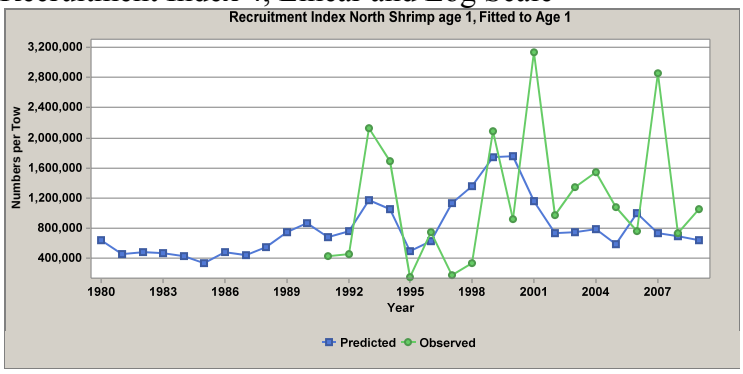


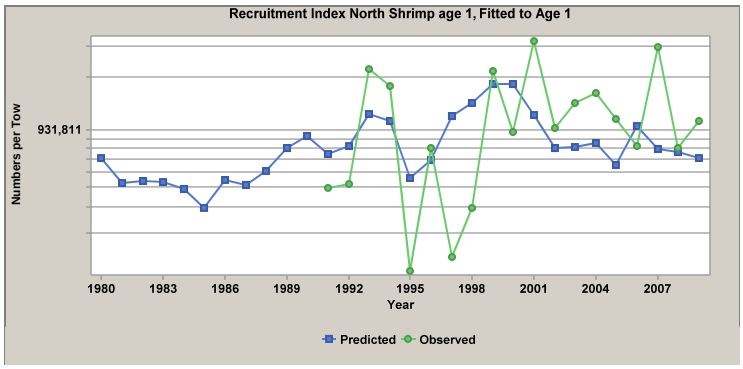


Recruitment Index 3, Linear and Log Scale

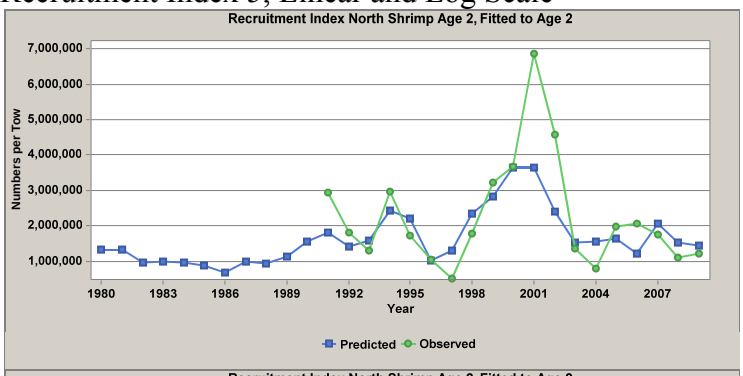


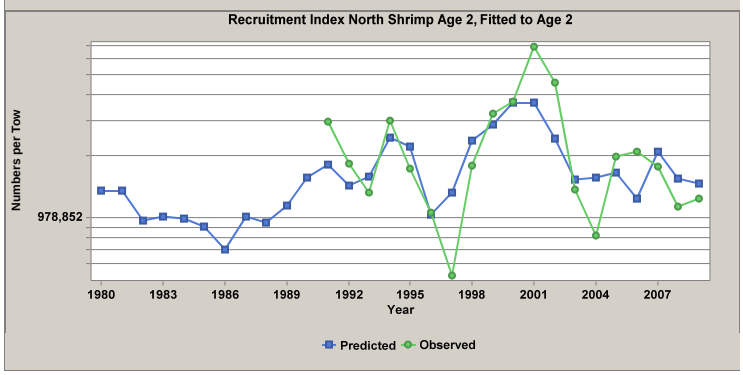
Recruitment Index 4, Linear and Log Scale



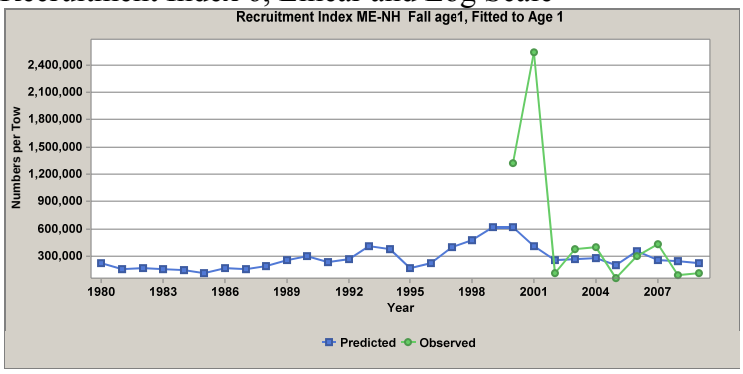


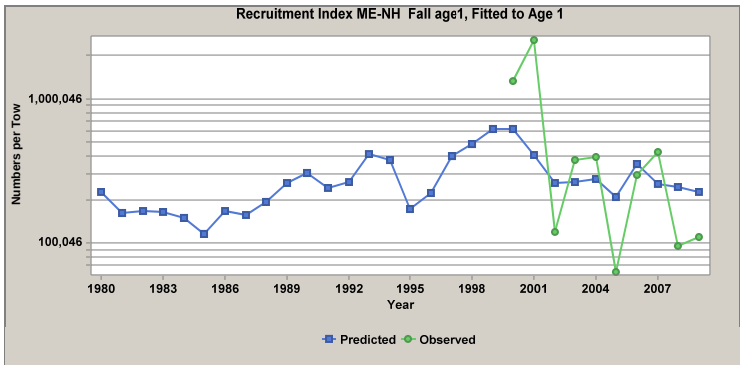
Recruitment Index 5, Linear and Log Scale



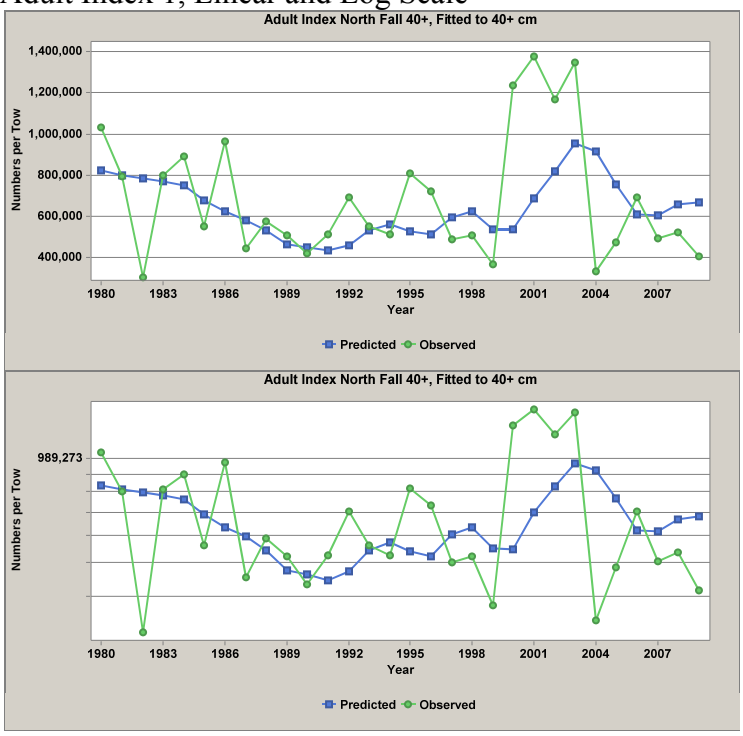


Recruitment Index 6, Linear and Log Scale

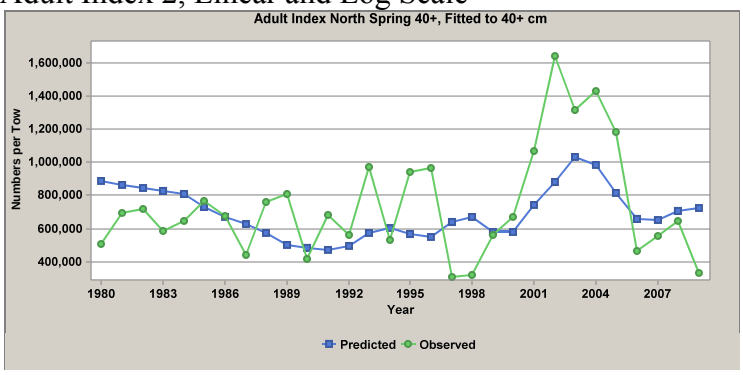


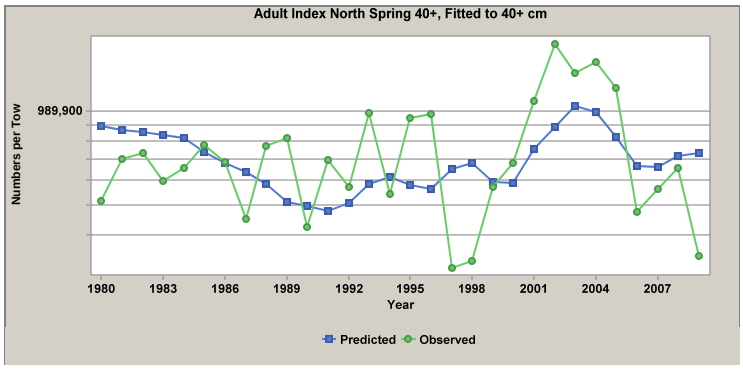


Adult Index 1, Linear and Log Scale

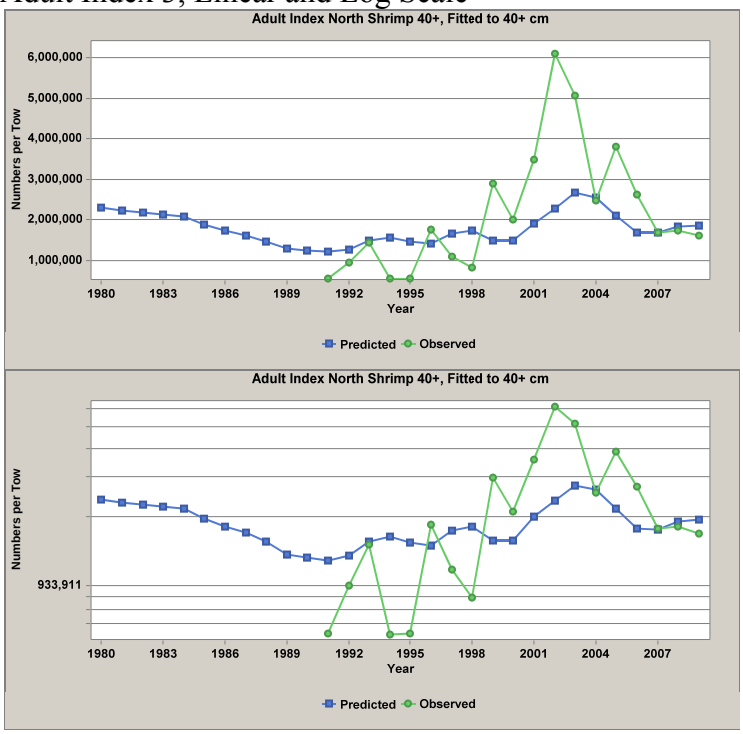


Adult Index 2, Linear and Log Scale

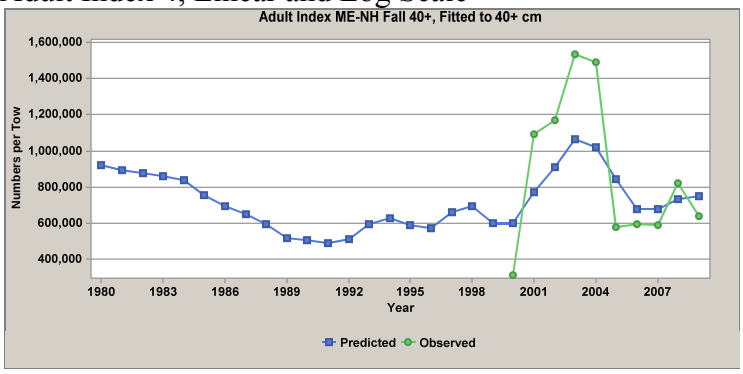


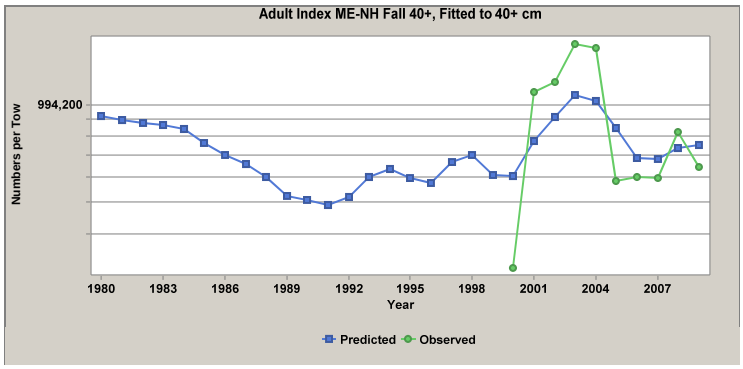


Adult Index 3, Linear and Log Scale

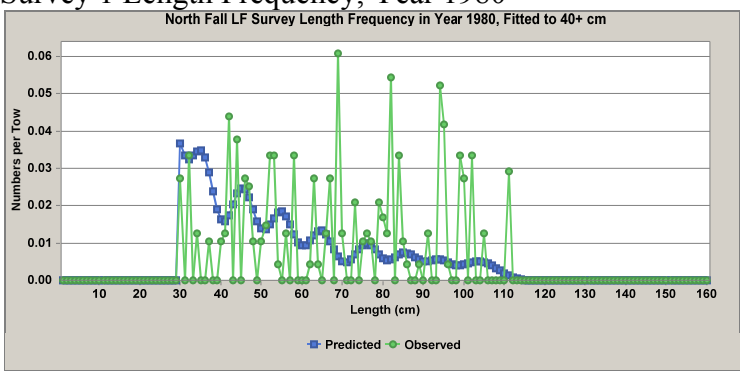


Adult Index 4, Linear and Log Scale

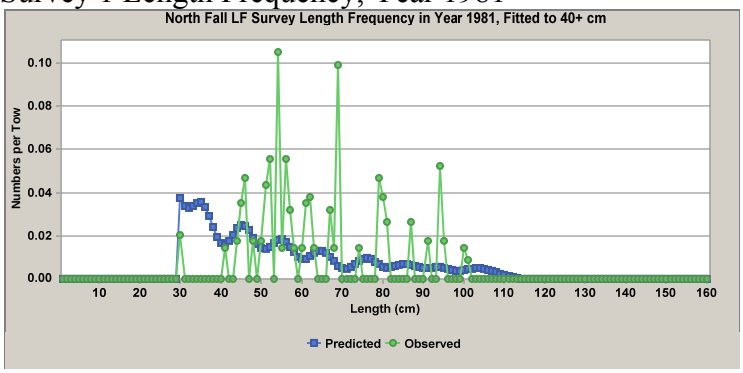




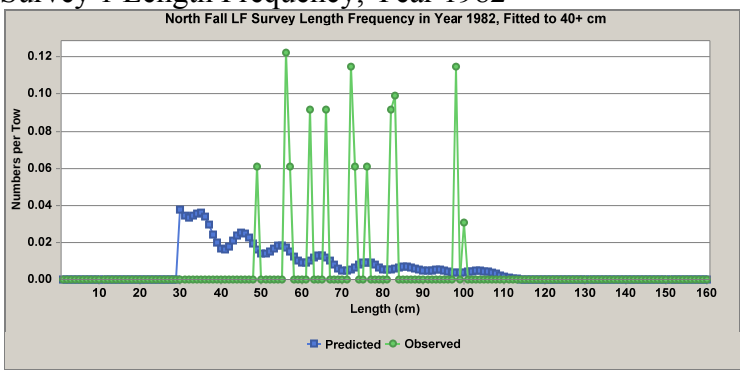
Survey 1 Length Frequency, Year 1980



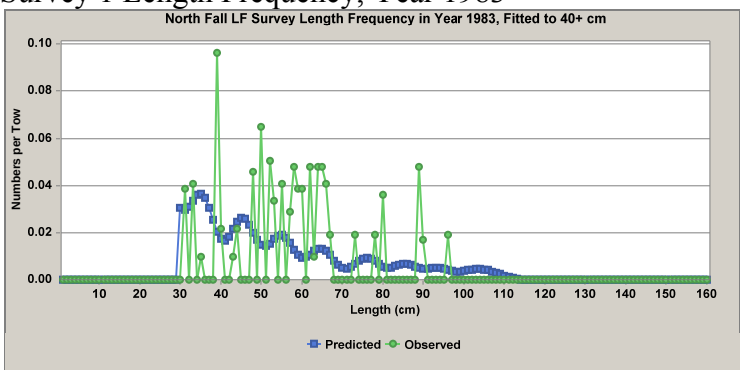
Survey 1 Length Frequency, Year 1981



Survey 1 Length Frequency, Year 1982



Survey 1 Length Frequency, Year 1983



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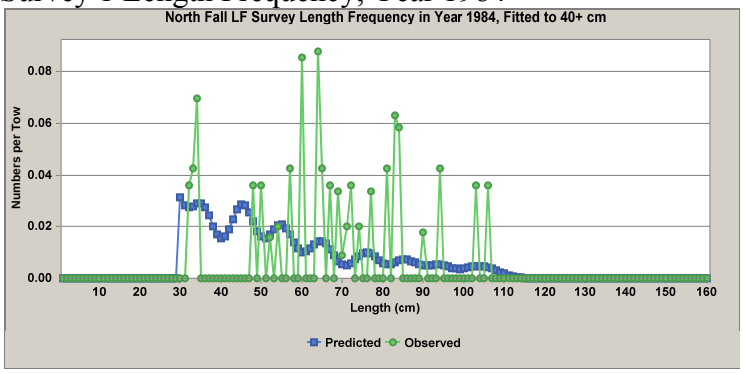

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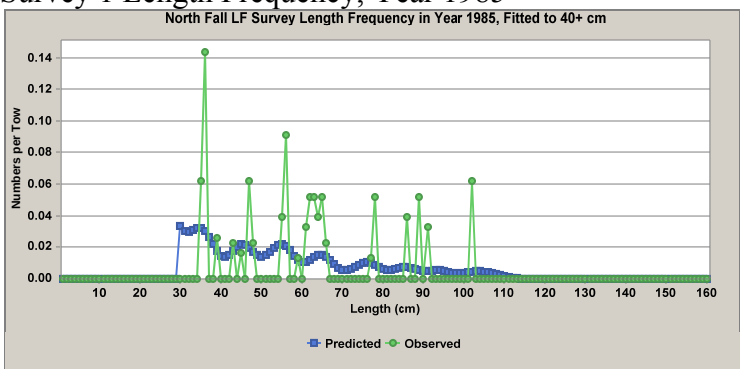

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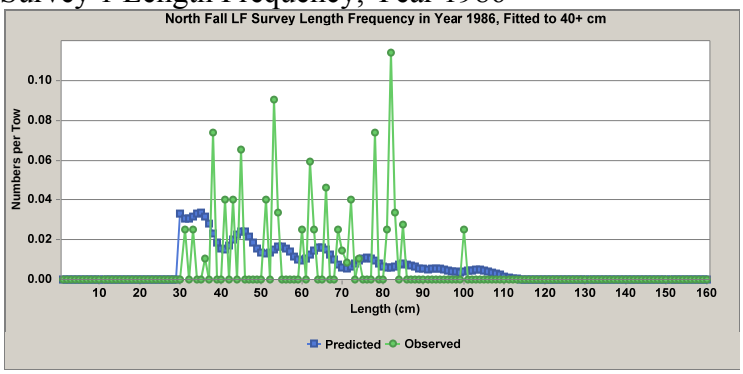

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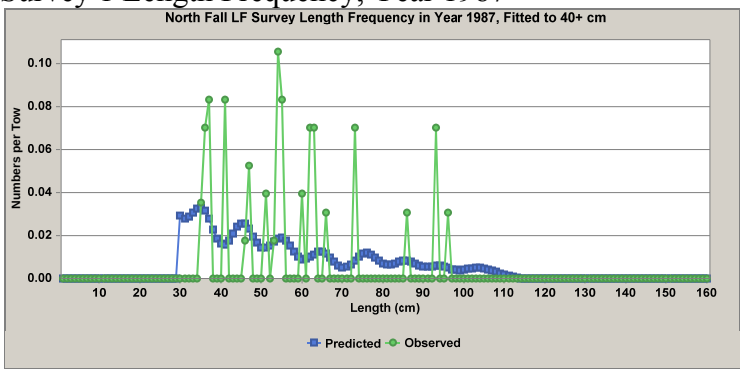

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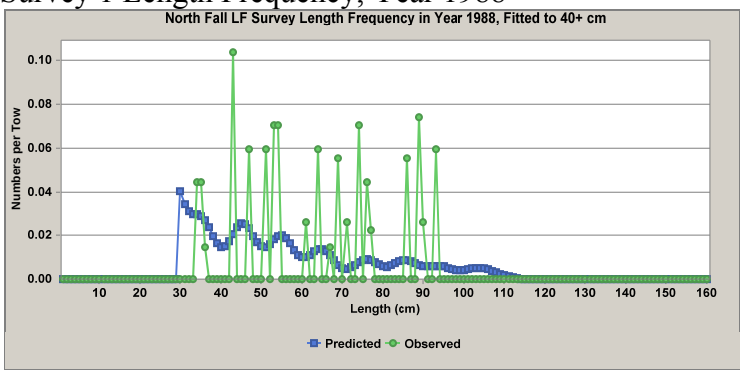

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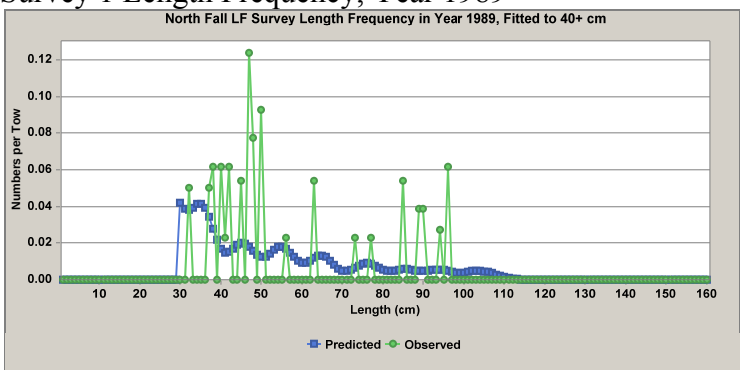

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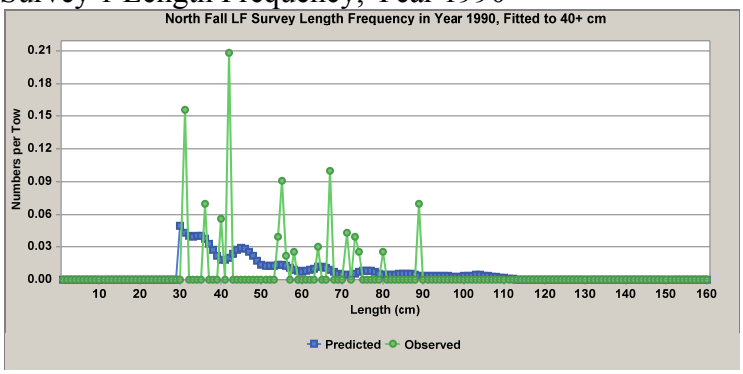

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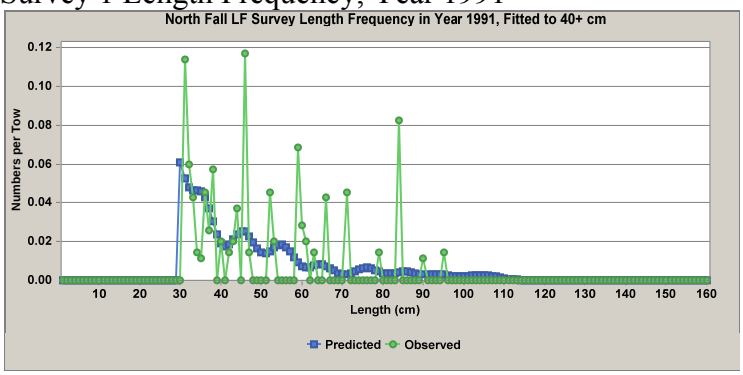

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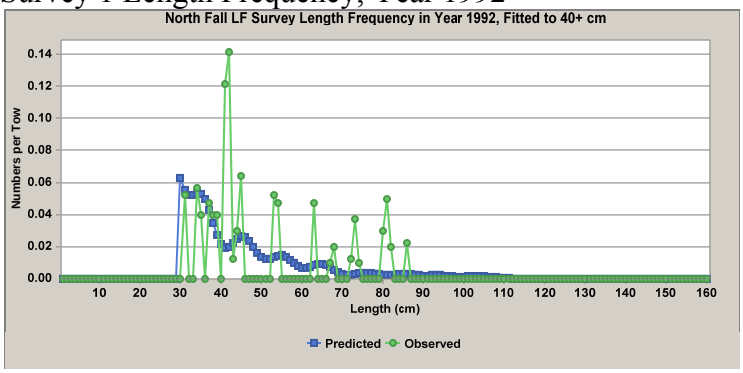

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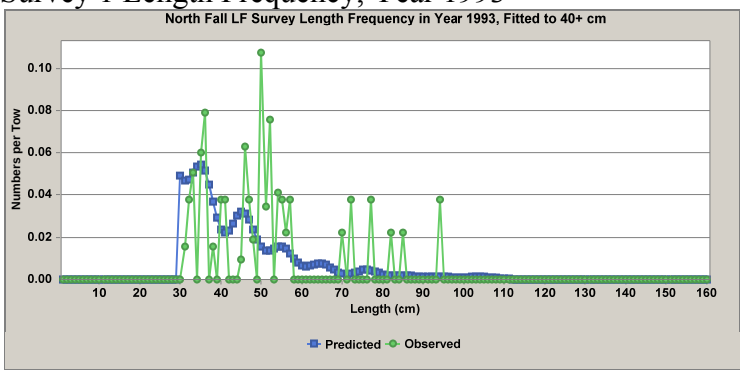

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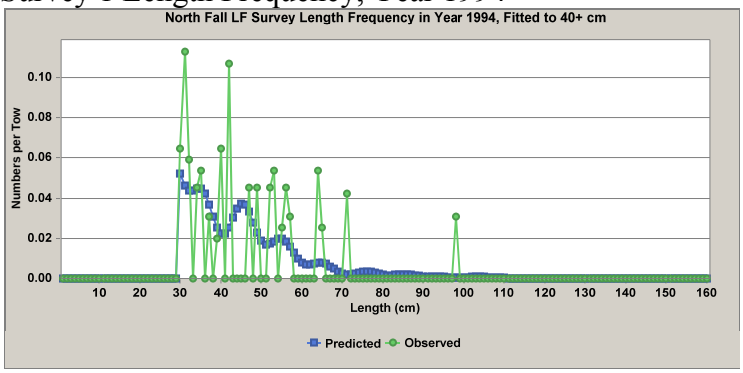

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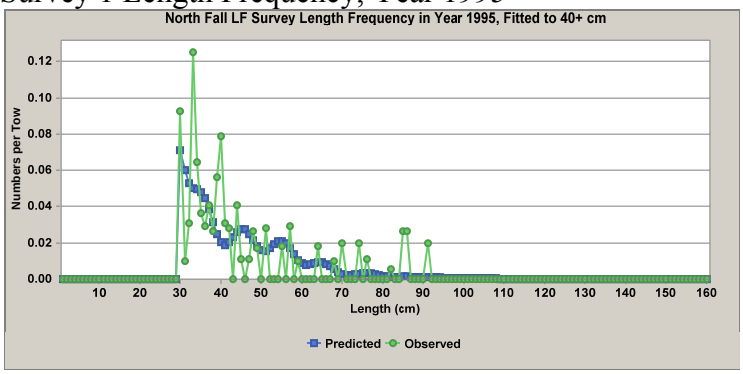

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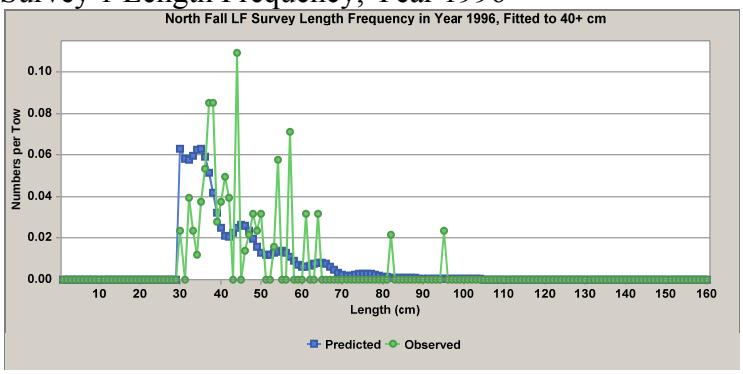

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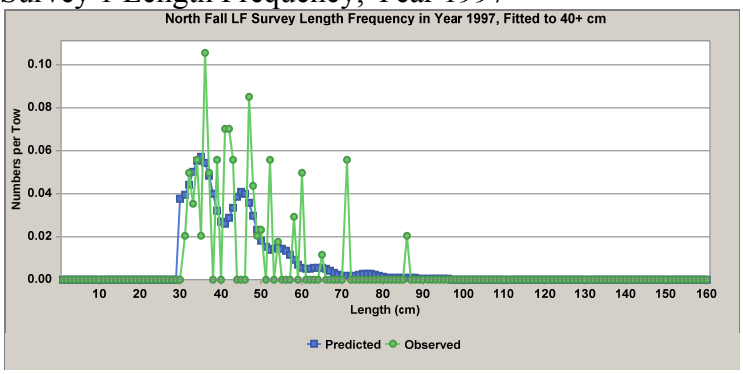
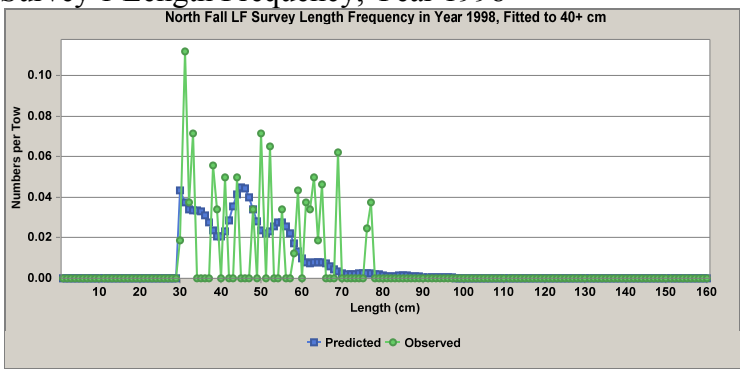


Survey 1 Length Frequency, Year 1998



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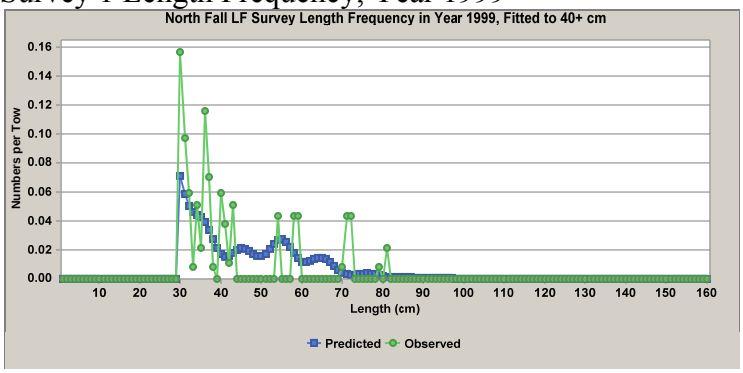
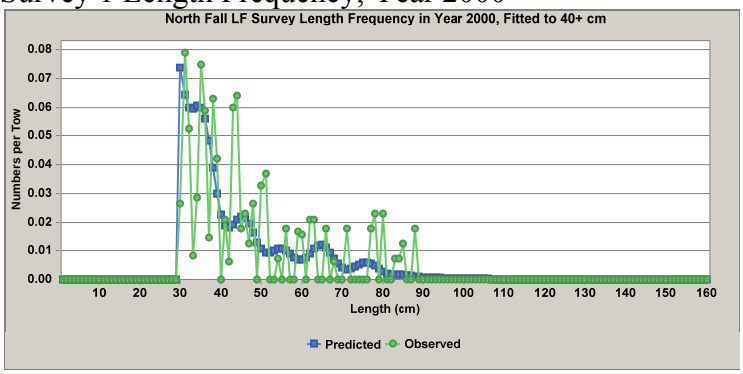
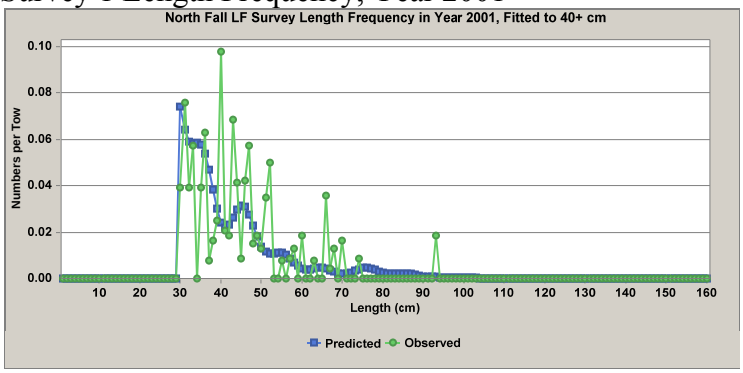


Survey 1 Length Frequency, Year 2000



Survey 1 Length Frequency, Year 2001



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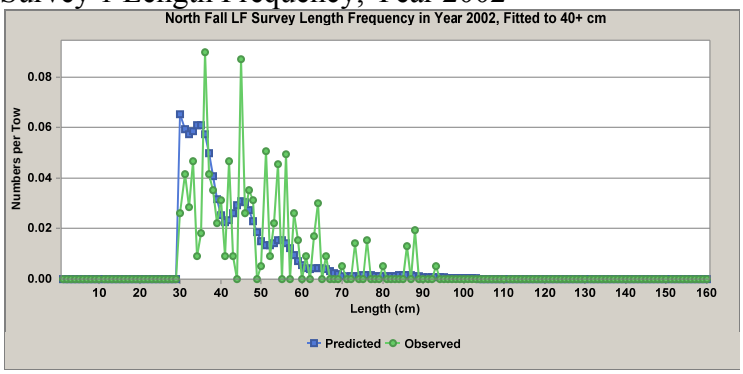

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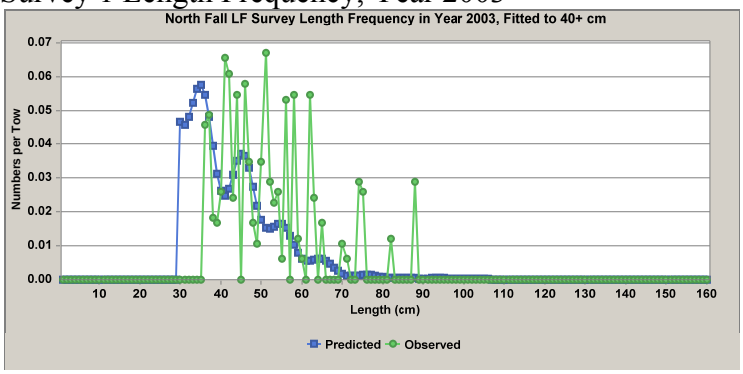

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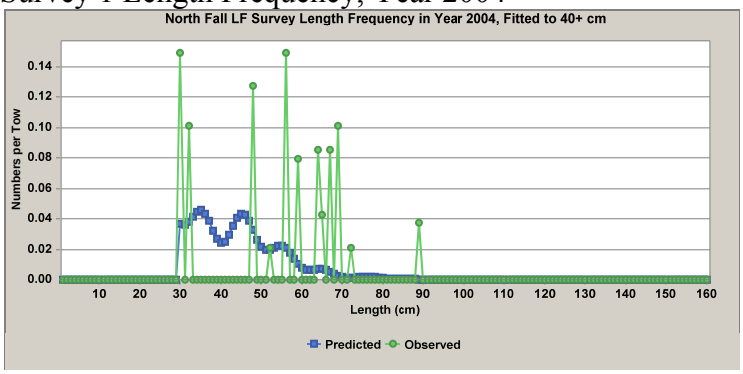

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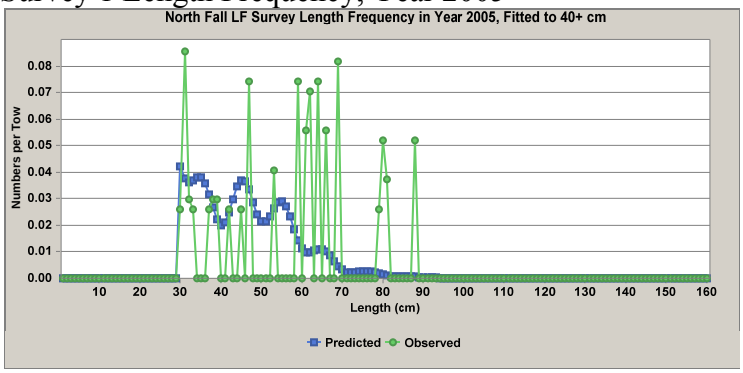
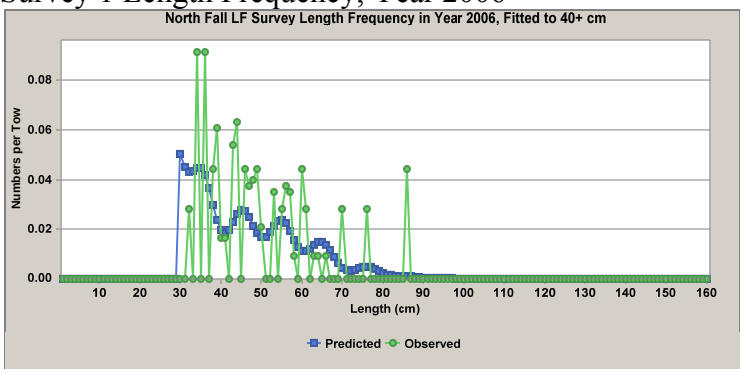
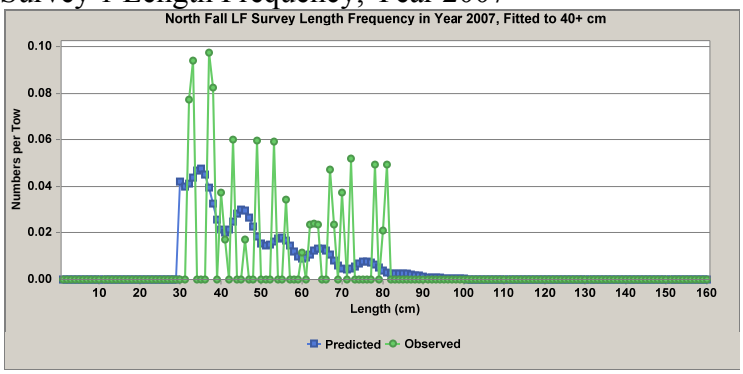


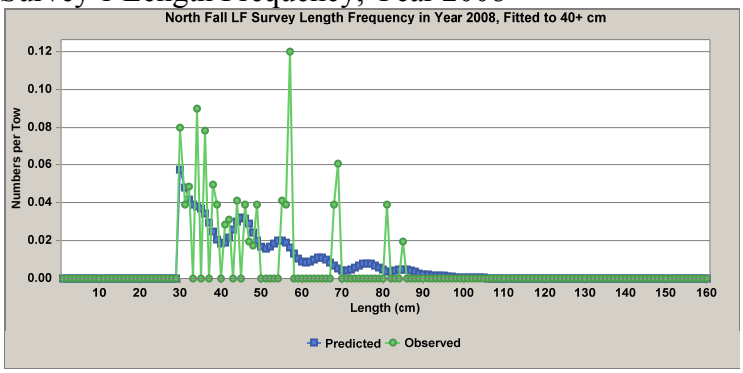
Survey 1 Length Frequency, Year 2006



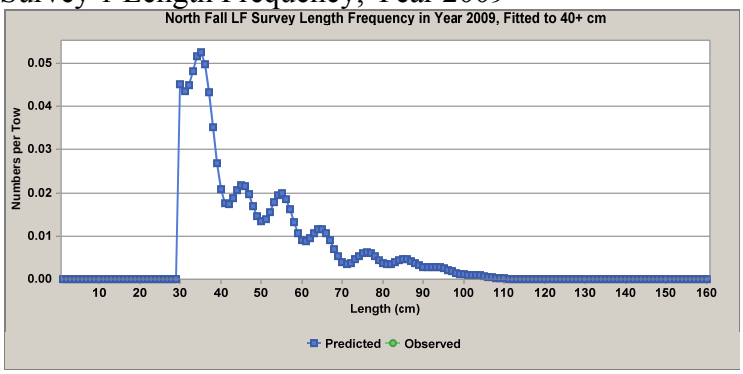
Survey 1 Length Frequency, Year 2007



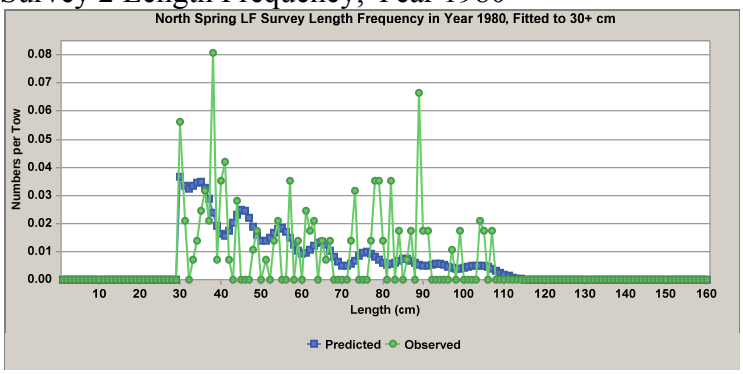
Survey 1 Length Frequency, Year 2008



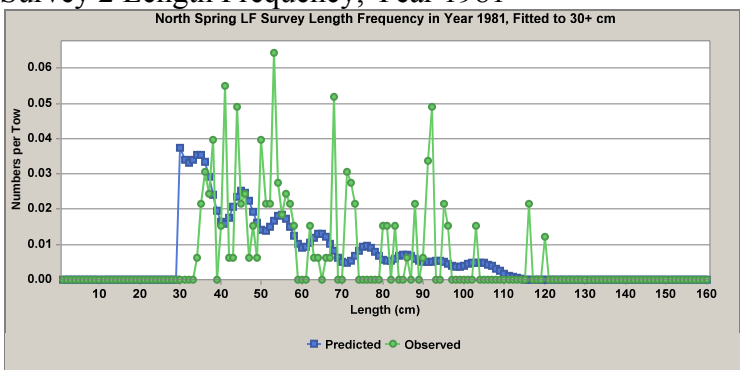
Survey 1 Length Frequency, Year 2009



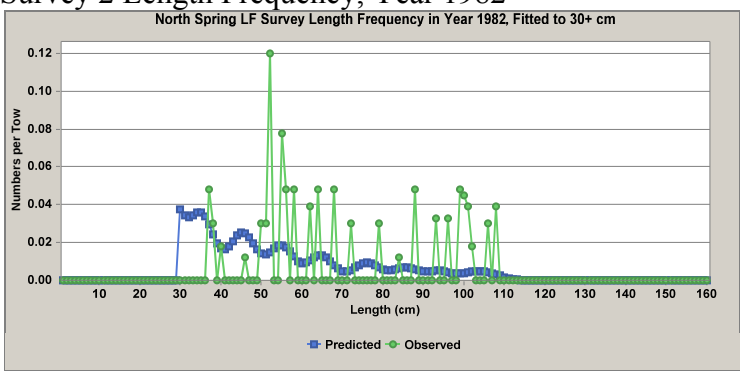
Survey 2 Length Frequency, Year 1980



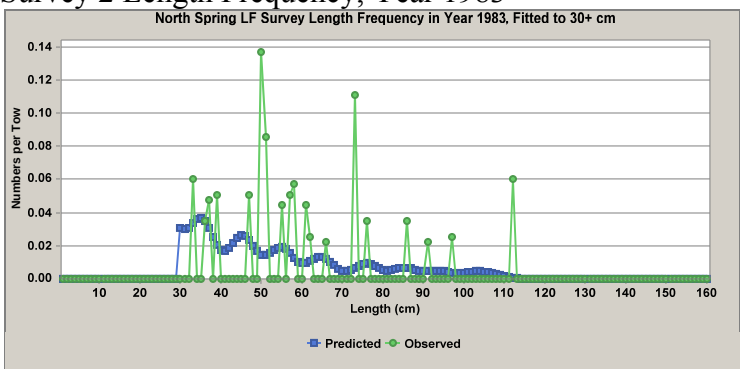
Survey 2 Length Frequency, Year 1981



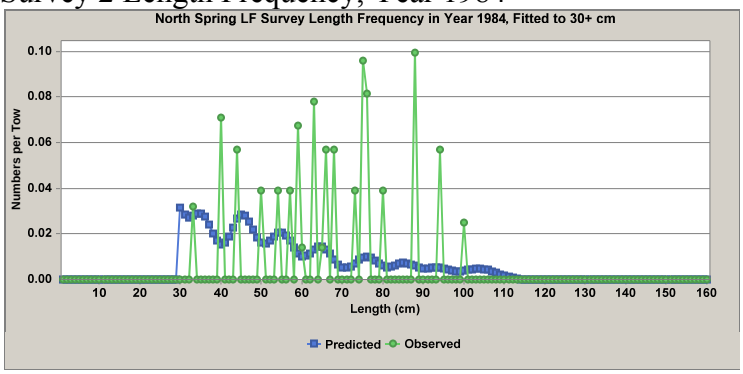
Survey 2 Length Frequency, Year 1982



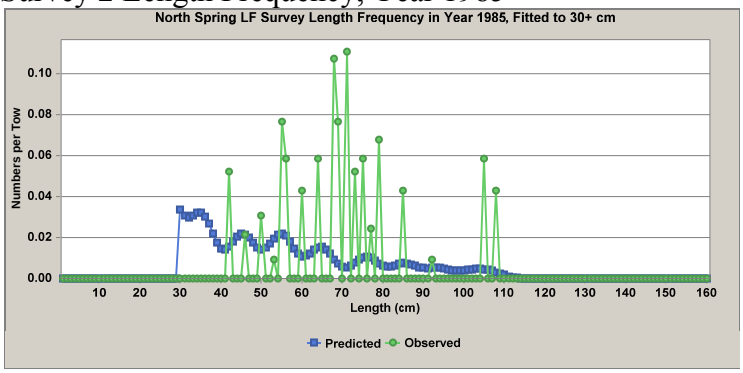
Survey 2 Length Frequency, Year 1983



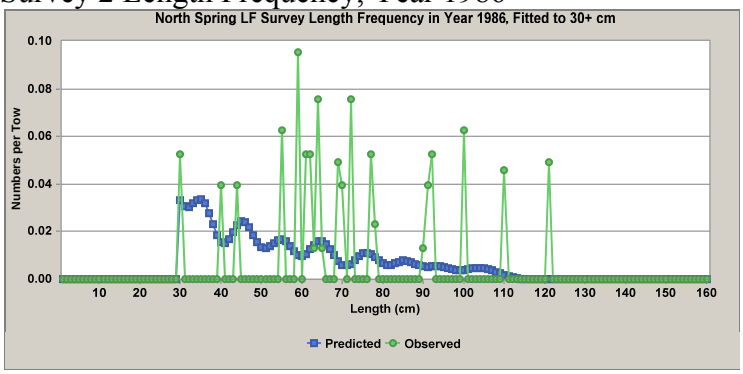
Survey 2 Length Frequency, Year 1984



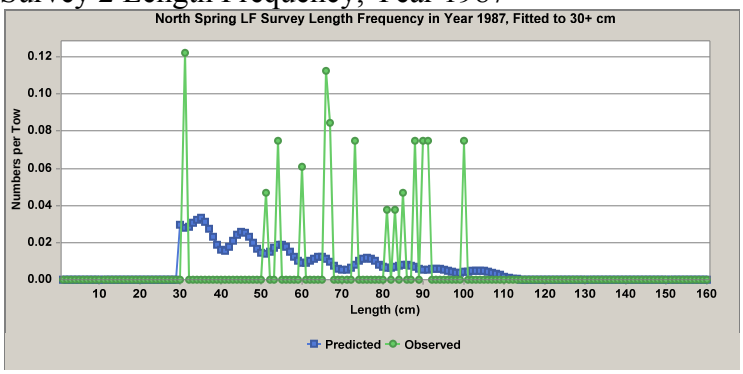
Survey 2 Length Frequency, Year 1985



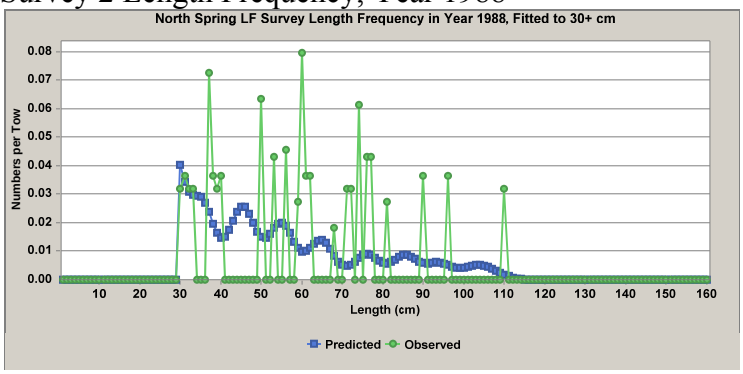
Survey 2 Length Frequency, Year 1986



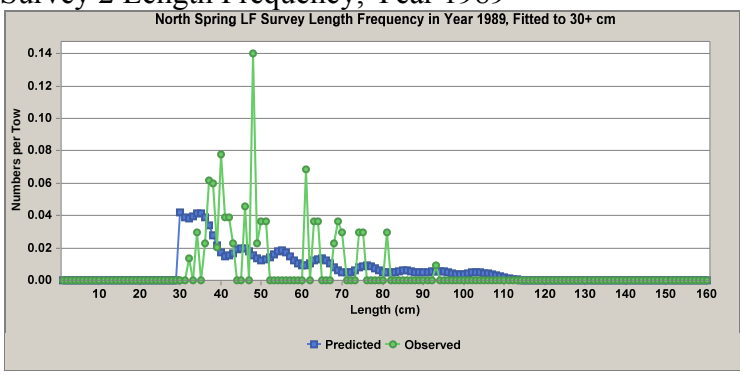
Survey 2 Length Frequency, Year 1987



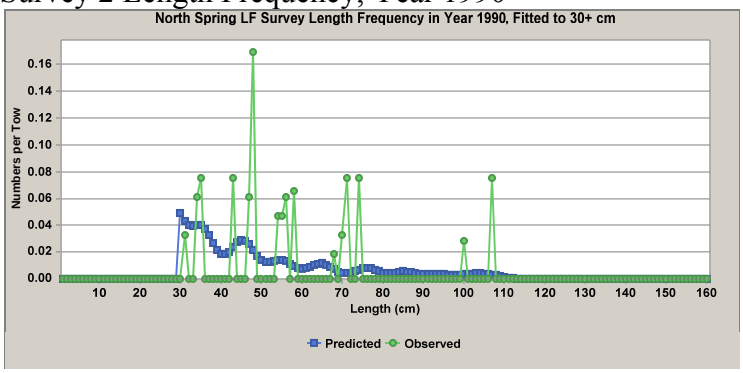
Survey 2 Length Frequency, Year 1988



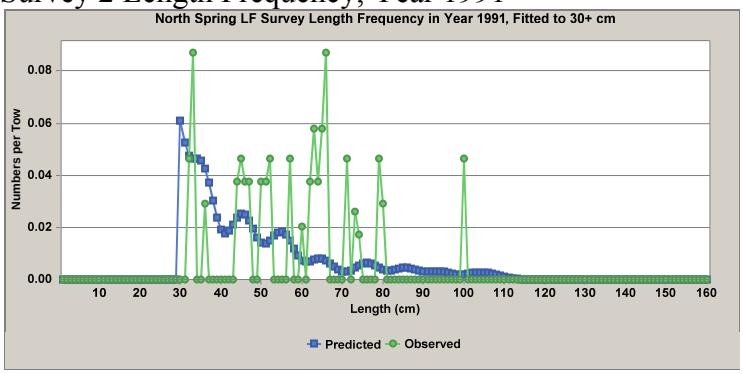
Survey 2 Length Frequency, Year 1989



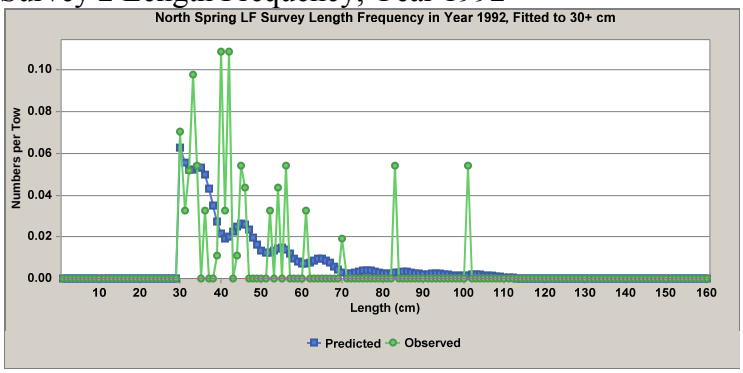
Survey 2 Length Frequency, Year 1990



Survey 2 Length Frequency, Year 1991



Survey 2 Length Frequency, Year 1992



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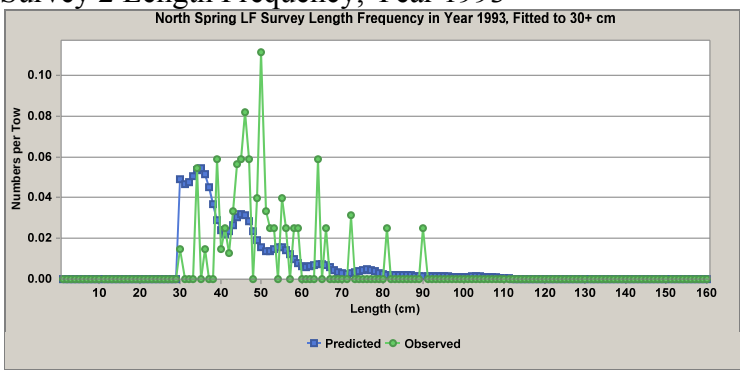

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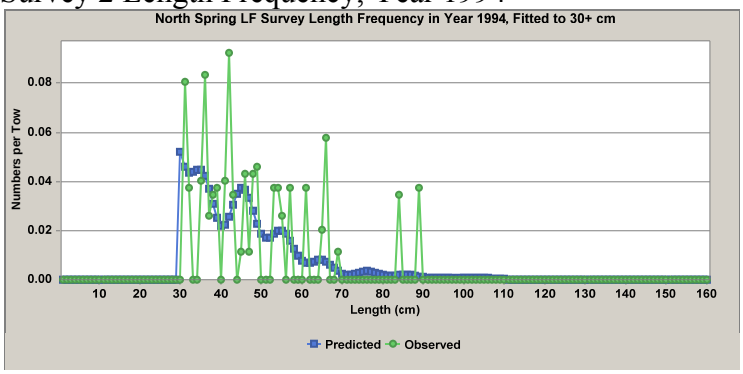

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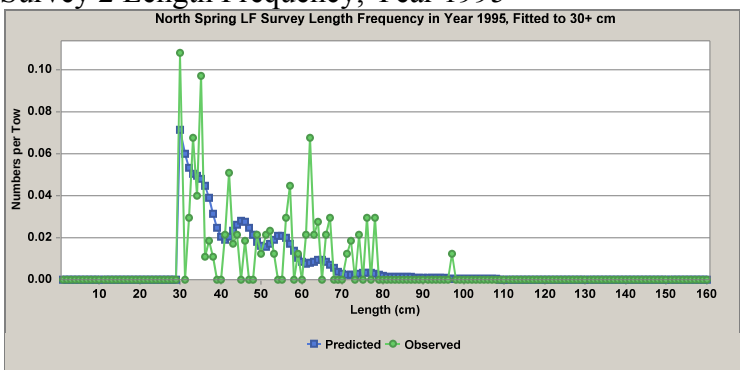

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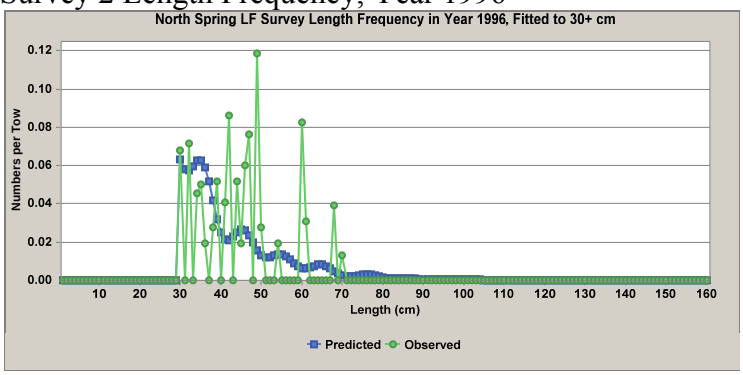

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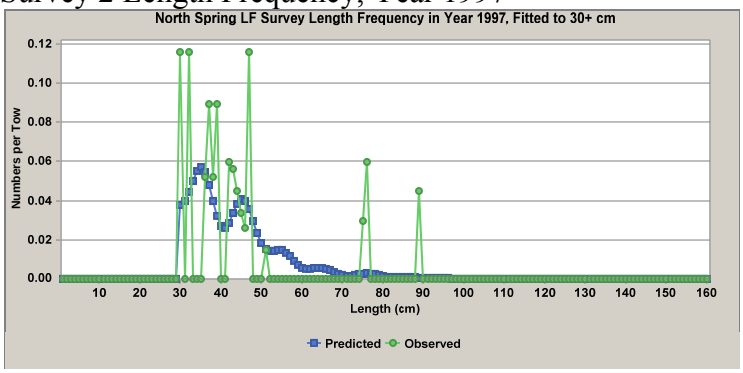

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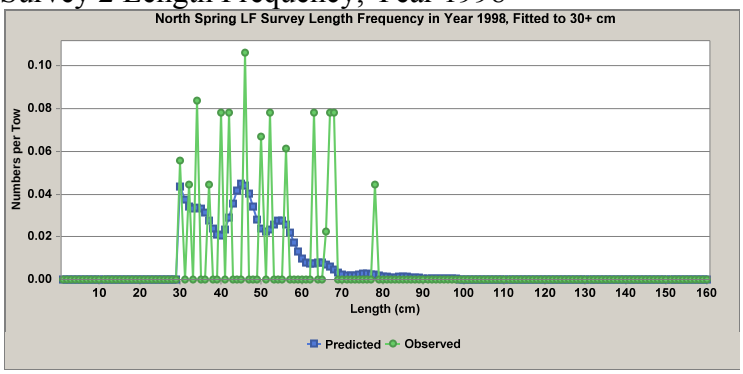

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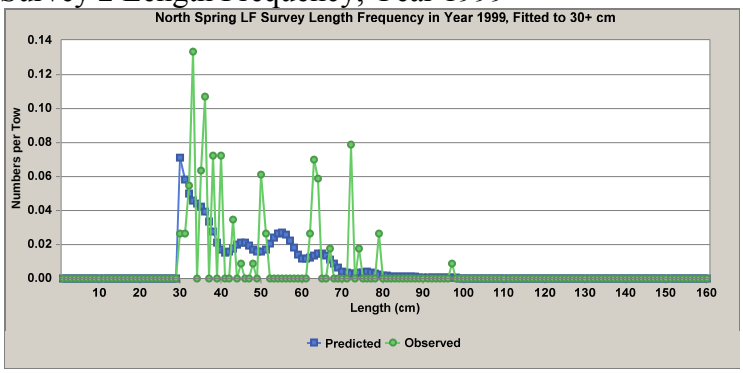

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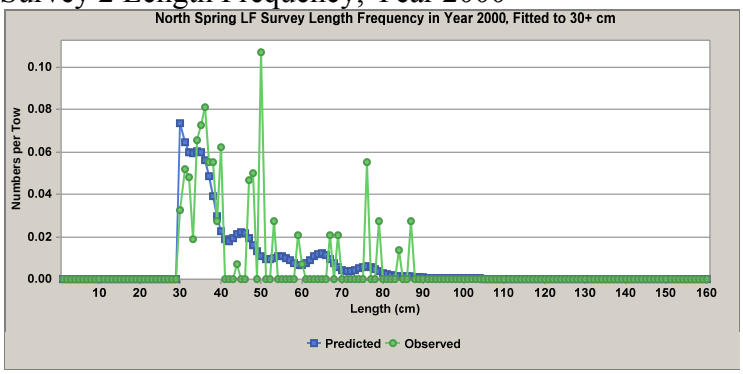

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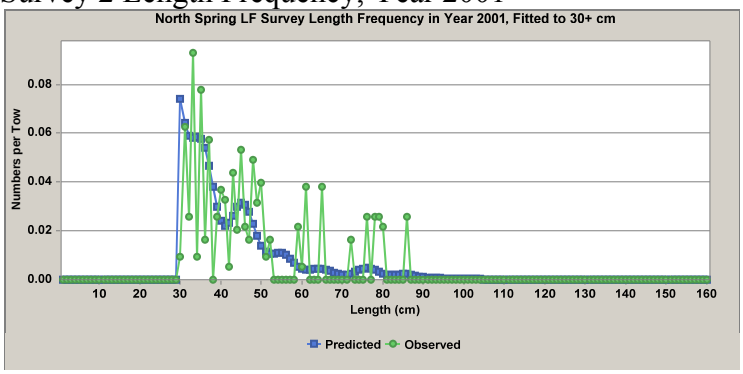

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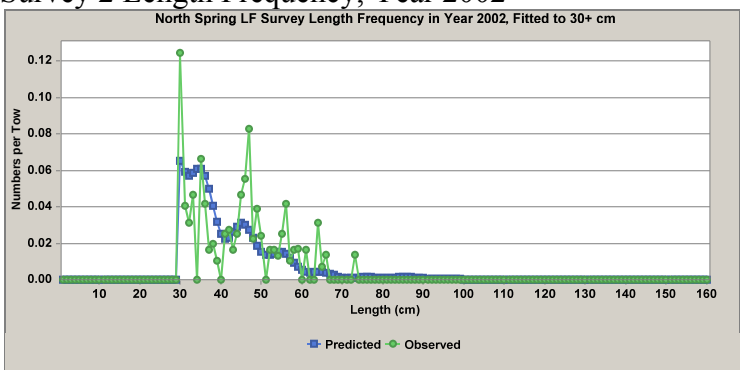

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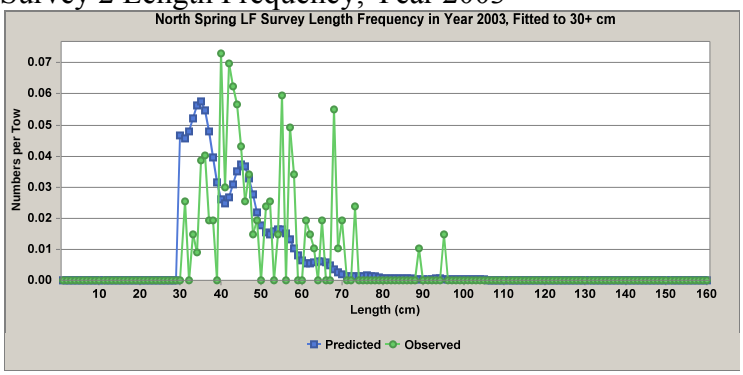

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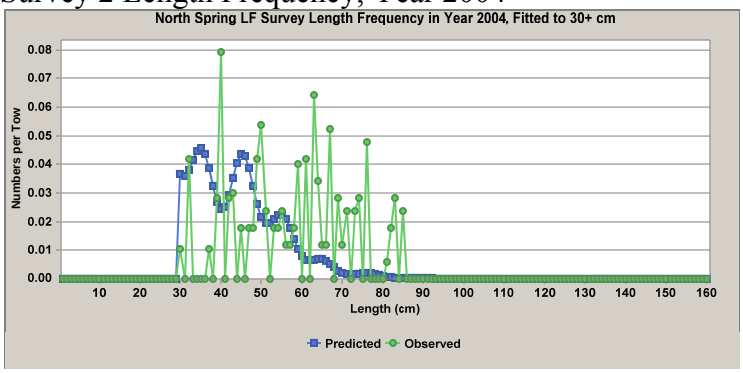

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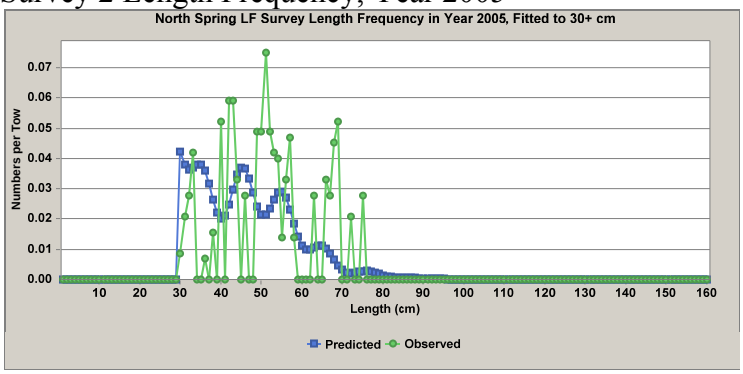

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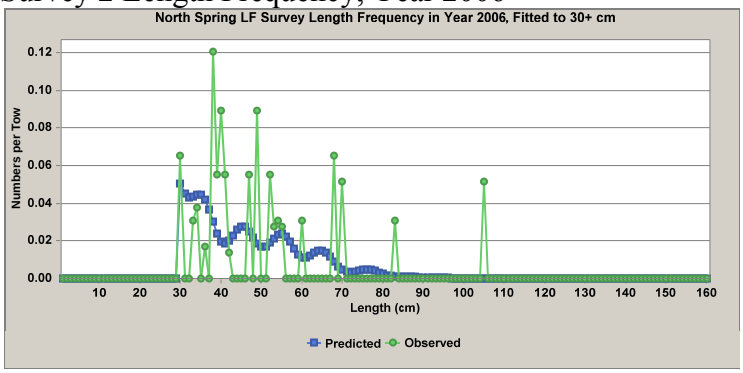
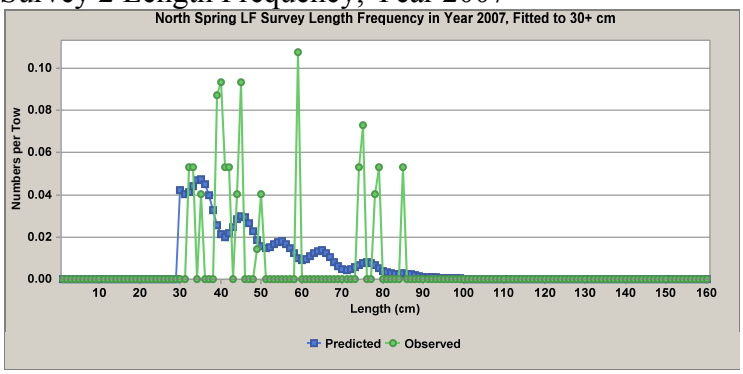
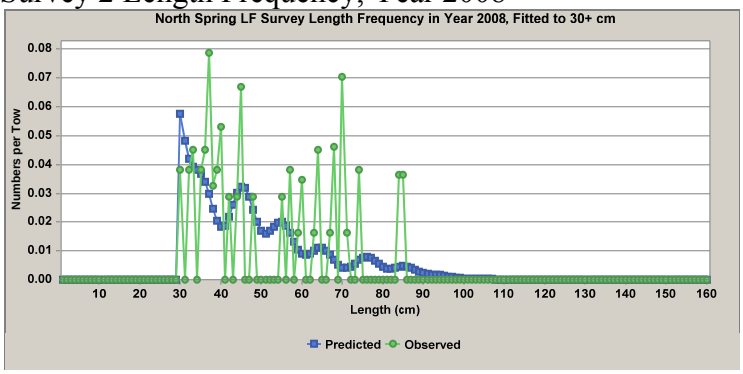


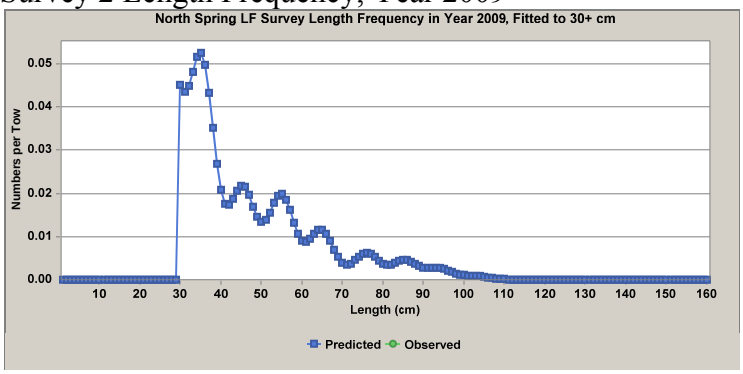
Survey 2 Length Frequency, Year 2007



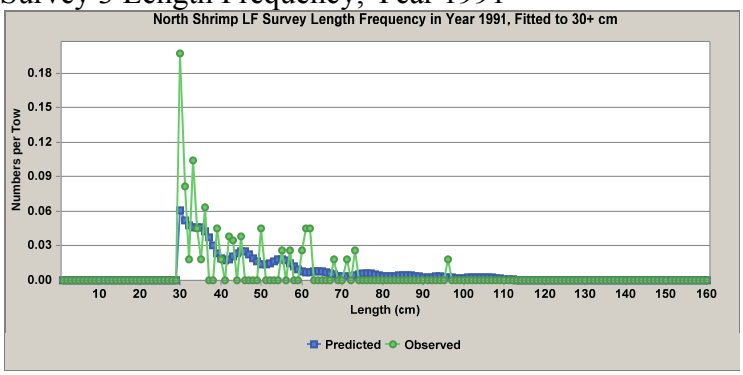
Survey 2 Length Frequency, Year 2008



Survey 2 Length Frequency, Year 2009



Survey 3 Length Frequency, Year 1991



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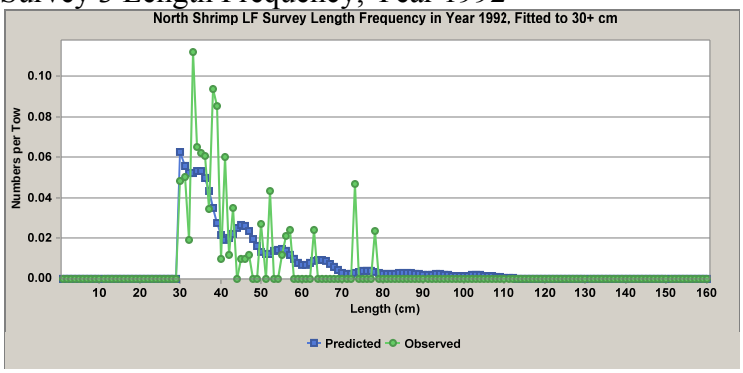

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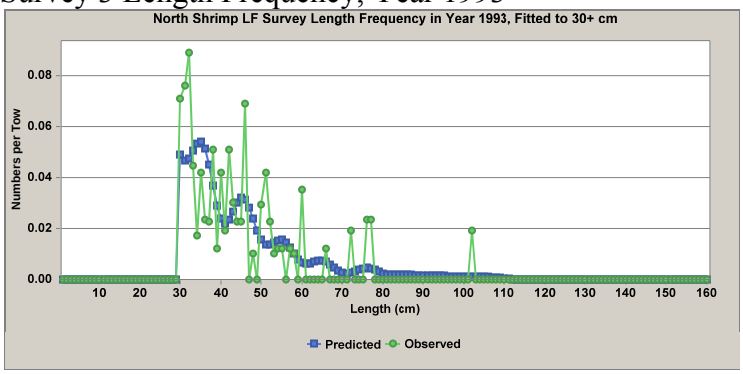

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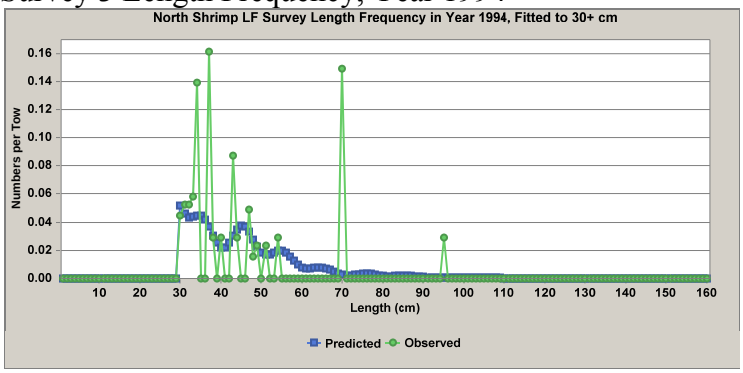

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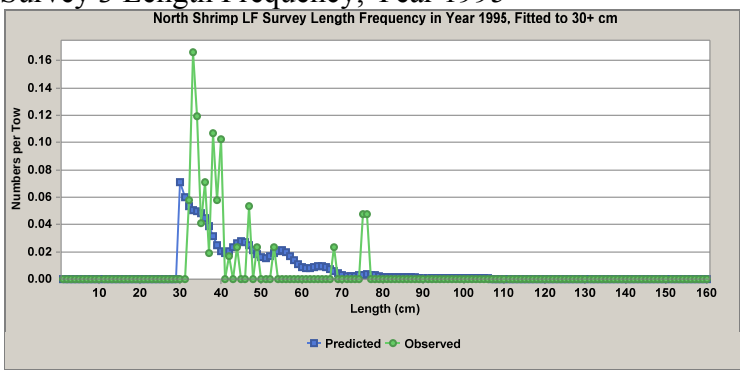

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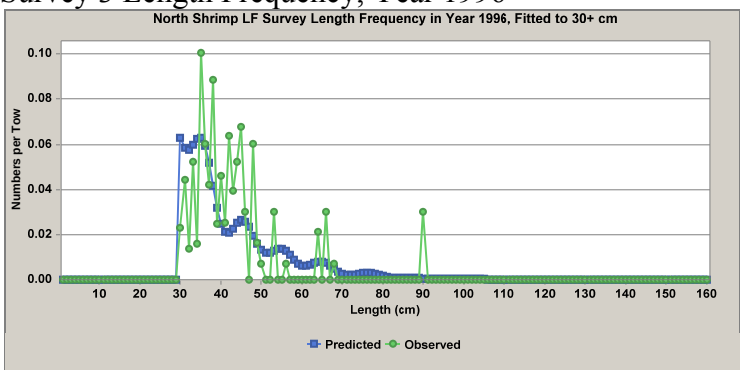

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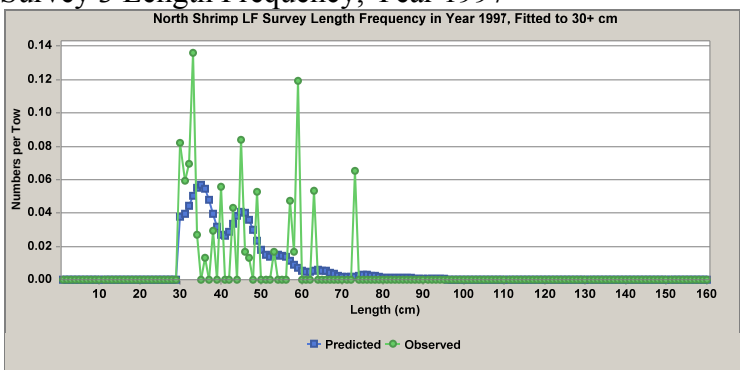

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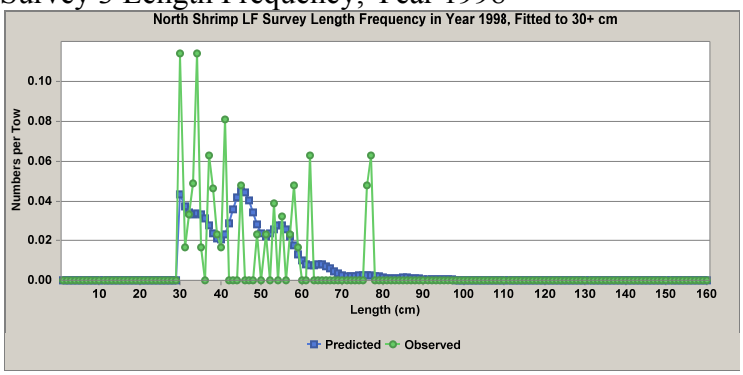

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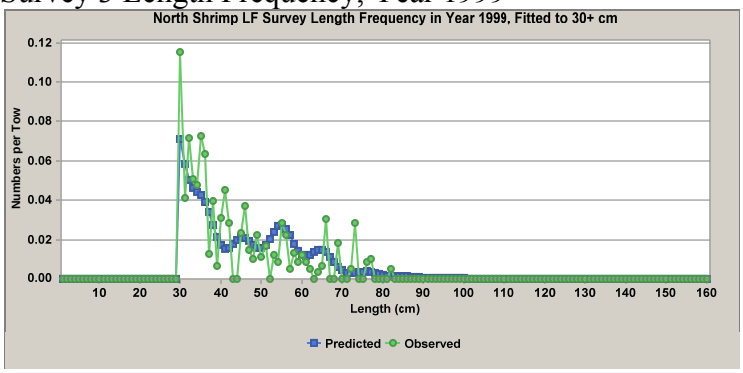

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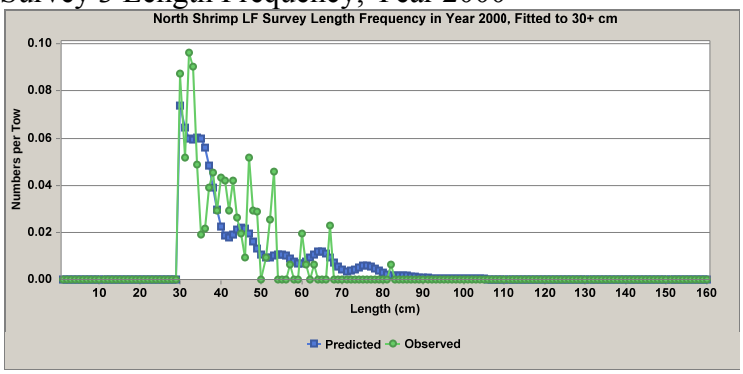

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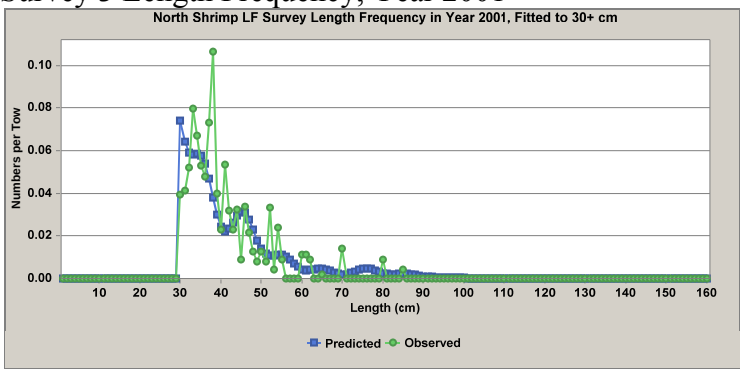

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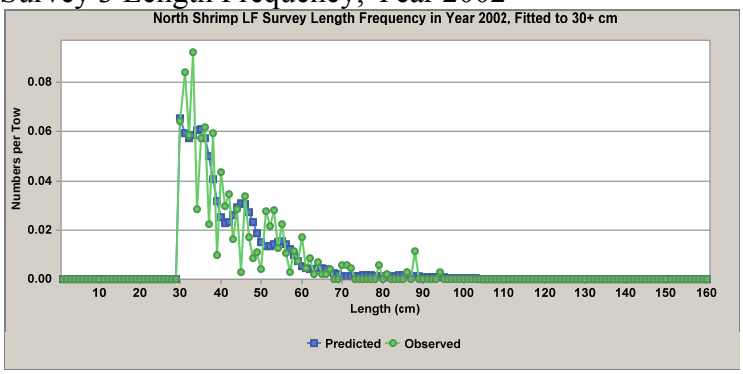
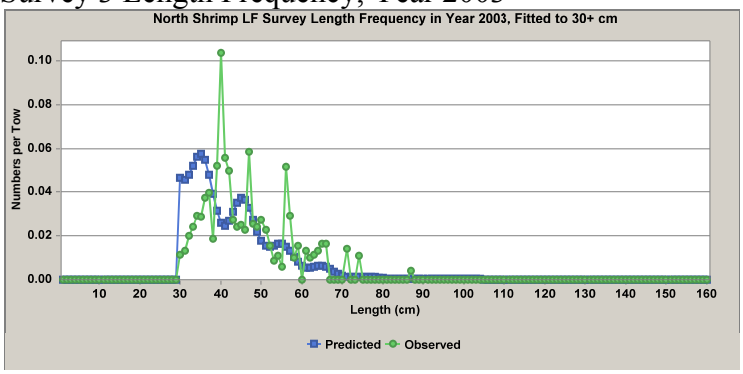


Survey 3 Length Frequency, Year 2003



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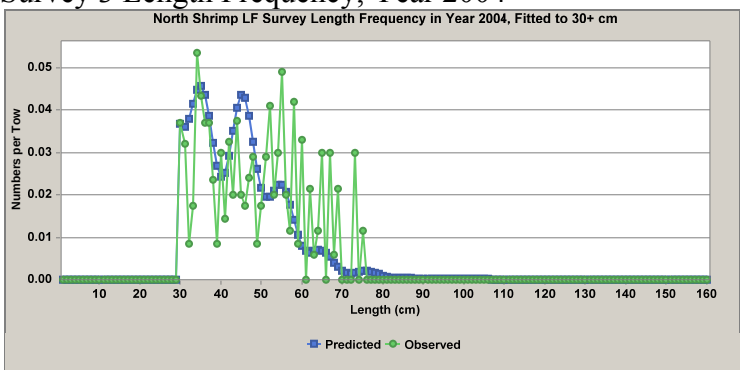

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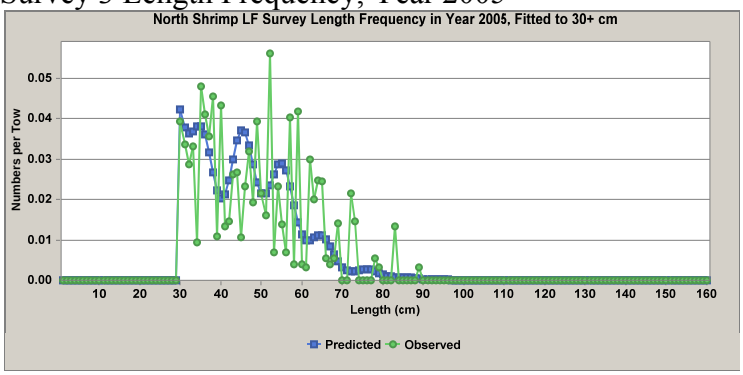
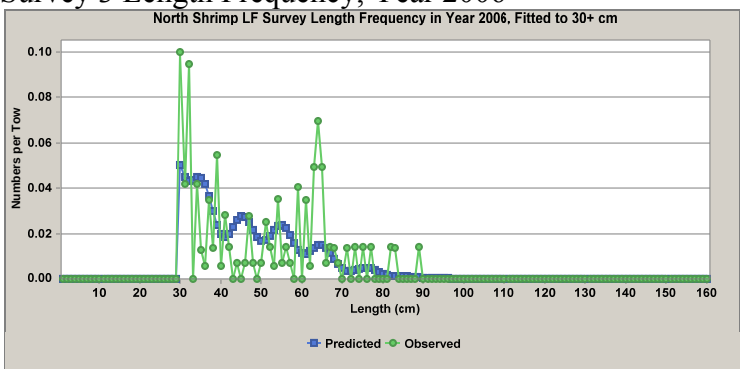
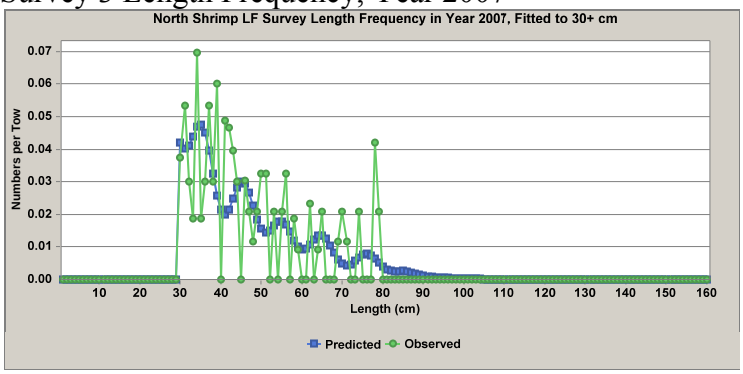


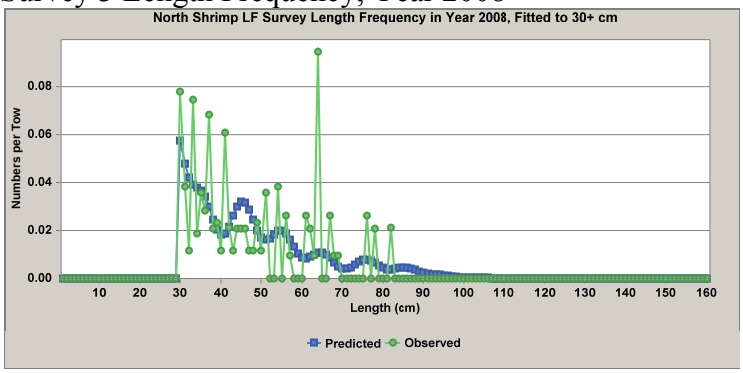
Survey 3 Length Frequency, Year 2006



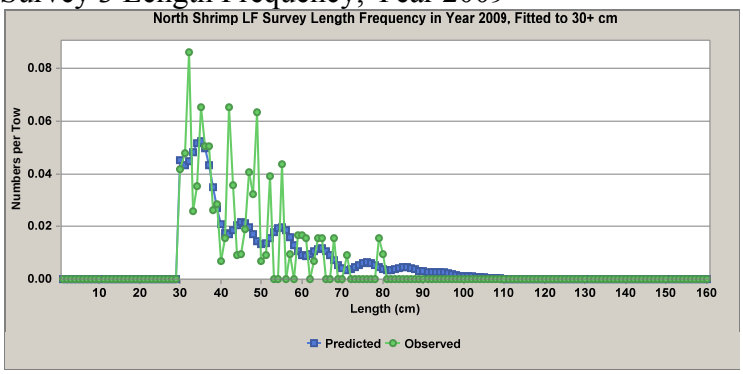
Survey 3 Length Frequency, Year 2007



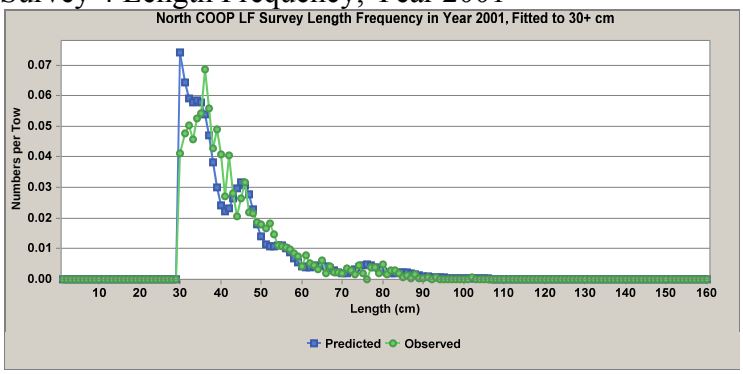
Survey 3 Length Frequency, Year 2008



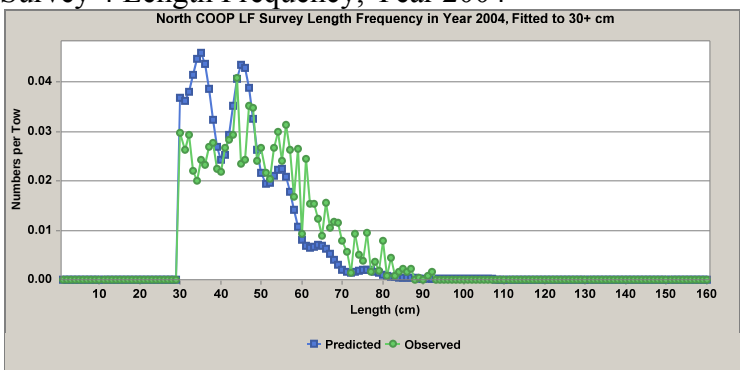
Survey 3 Length Frequency, Year 2009



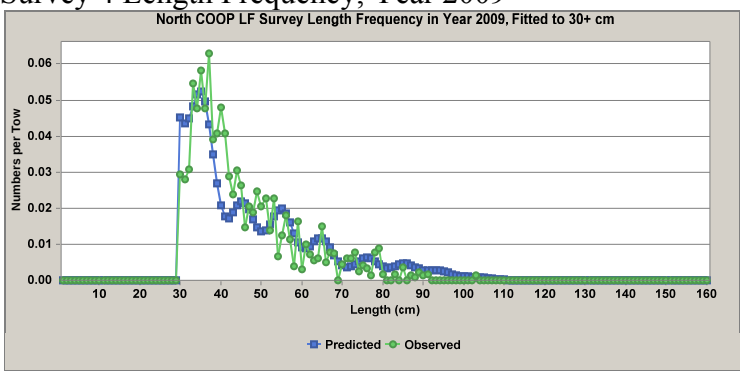
Survey 4 Length Frequency, Year 2001



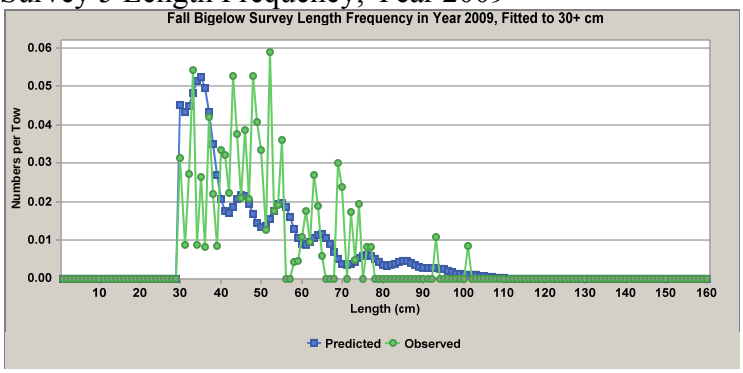
Survey 4 Length Frequency, Year 2004



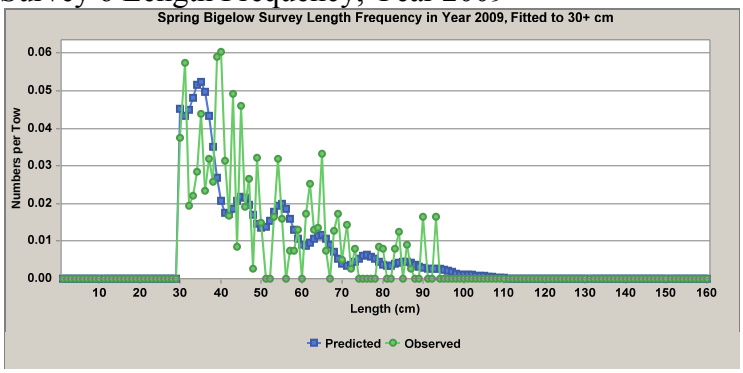
Survey 4 Length Frequency, Year 2009



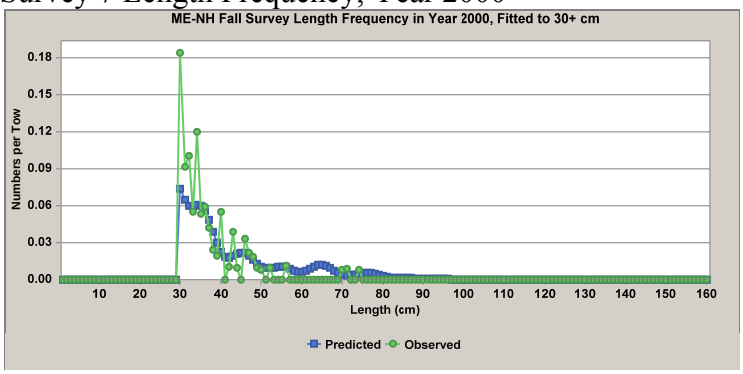
Survey 5 Length Frequency, Year 2009



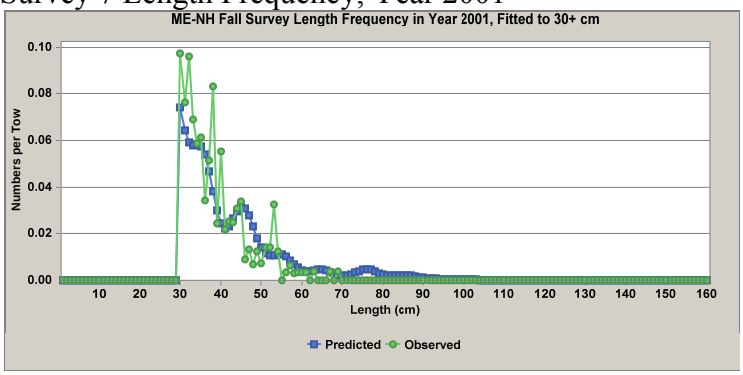
Survey 6 Length Frequency, Year 2009



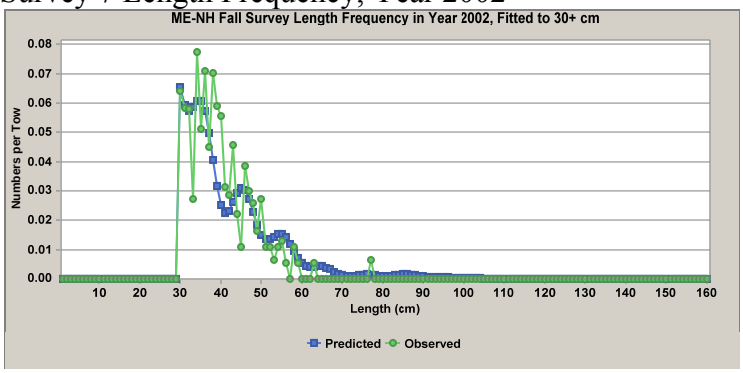
Survey 7 Length Frequency, Year 2000



Survey 7 Length Frequency, Year 2001



Survey 7 Length Frequency, Year 2002



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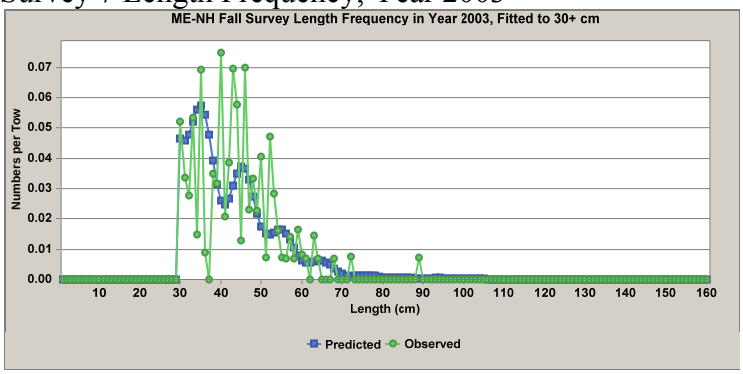
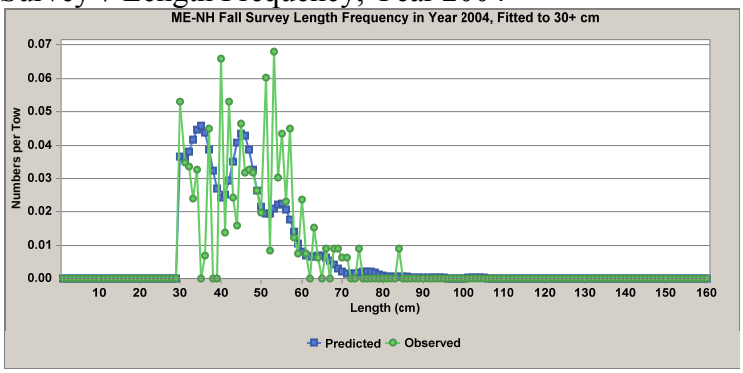
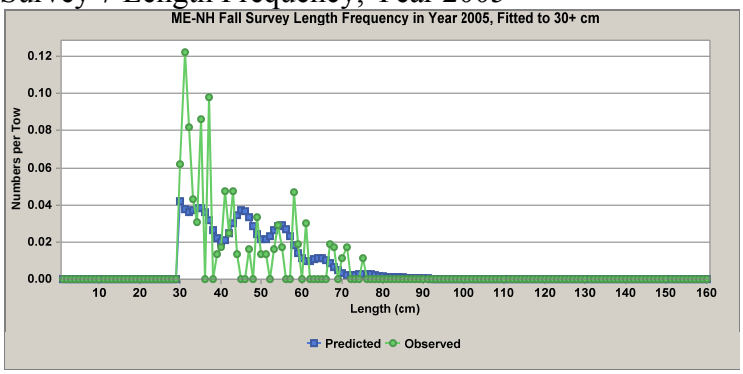


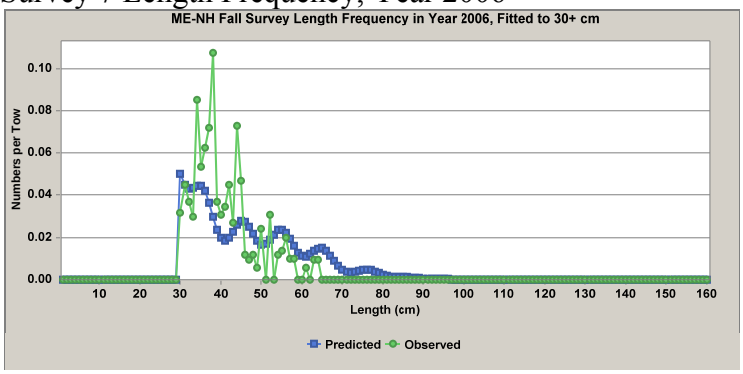
Survey 7 Length Frequency, Year 2004



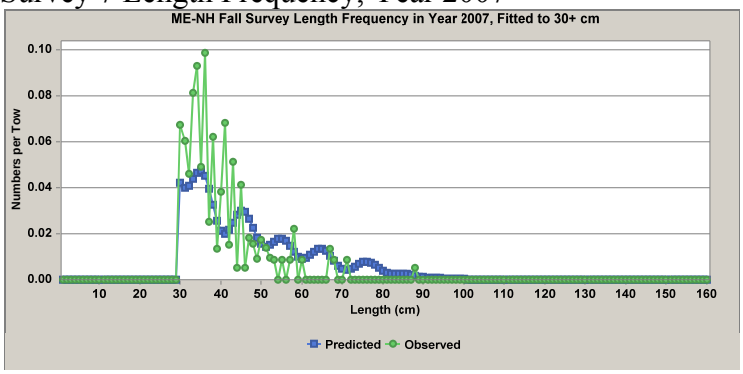
Survey 7 Length Frequency, Year 2005



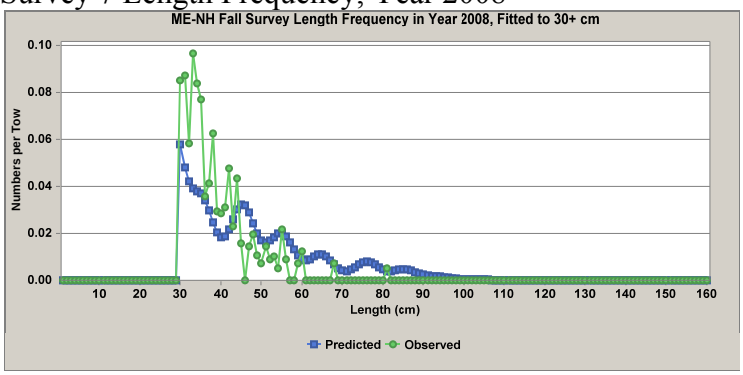
Survey 7 Length Frequency, Year 2006



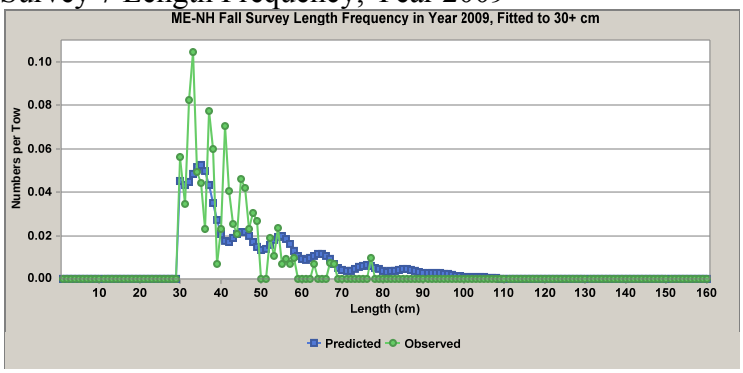
Survey 7 Length Frequency, Year 2007



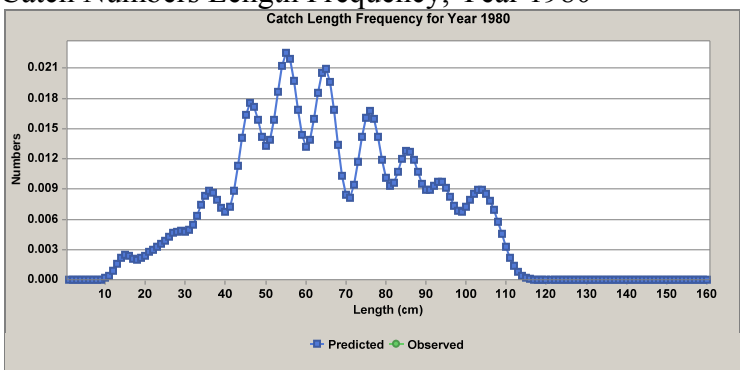
Survey 7 Length Frequency, Year 2008



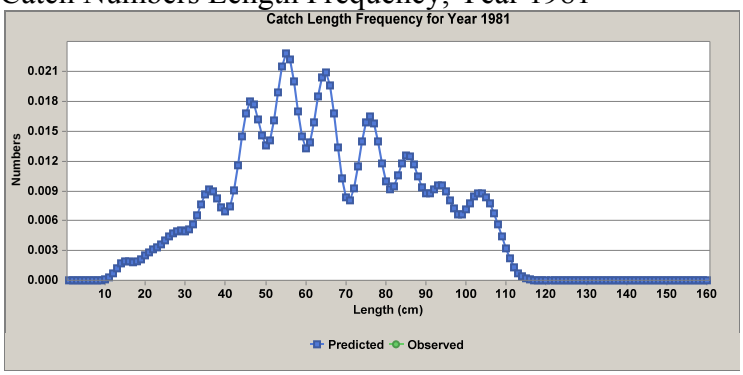
Survey 7 Length Frequency, Year 2009



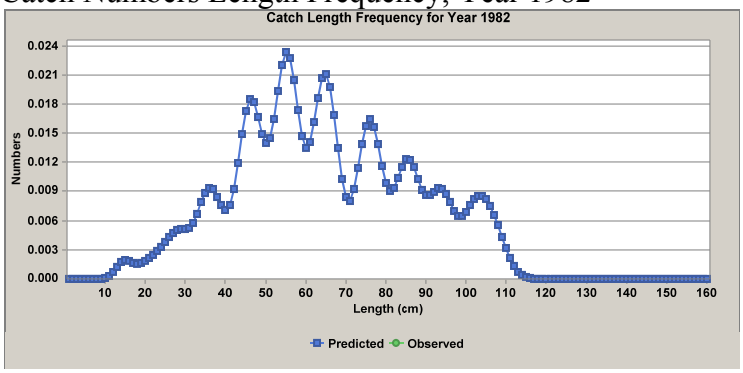
Catch Numbers Length Frequency, Year 1980



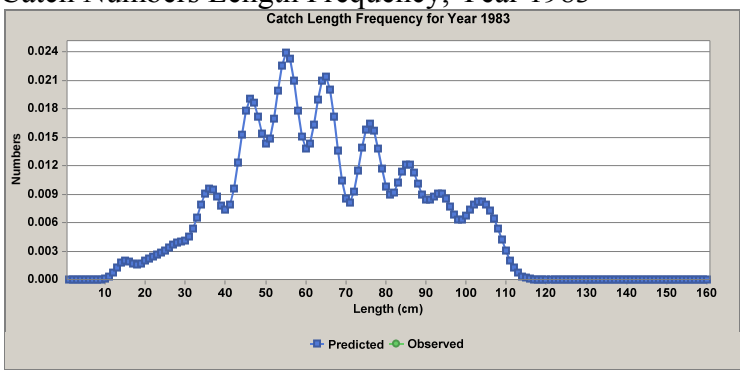
Catch Numbers Length Frequency, Year 1981



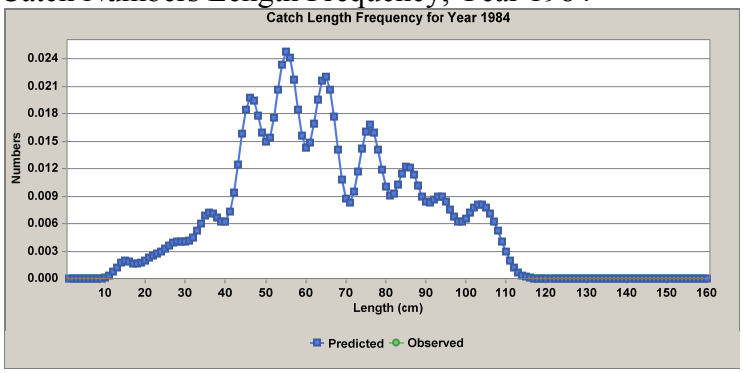
Catch Numbers Length Frequency, Year 1982



Catch Numbers Length Frequency, Year 1983



Catch Numbers Length Frequency, Year 1984



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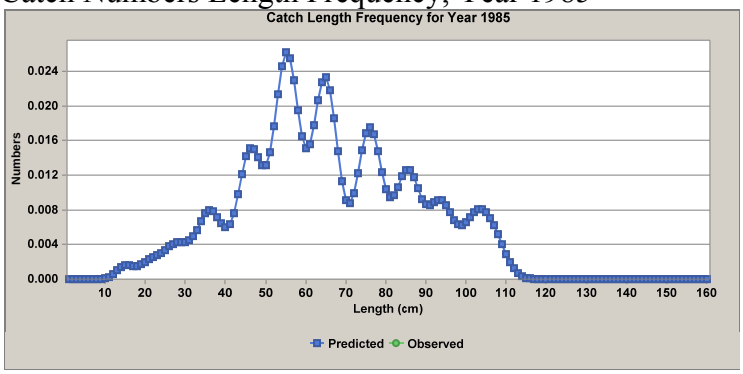

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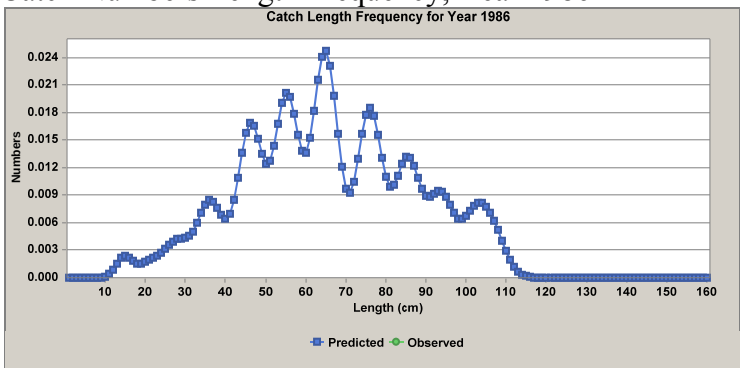

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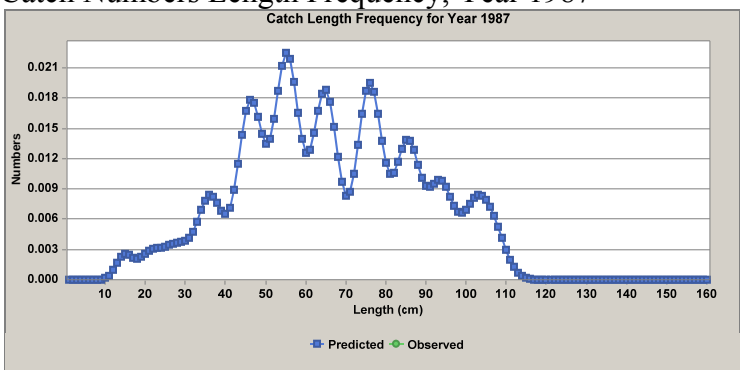

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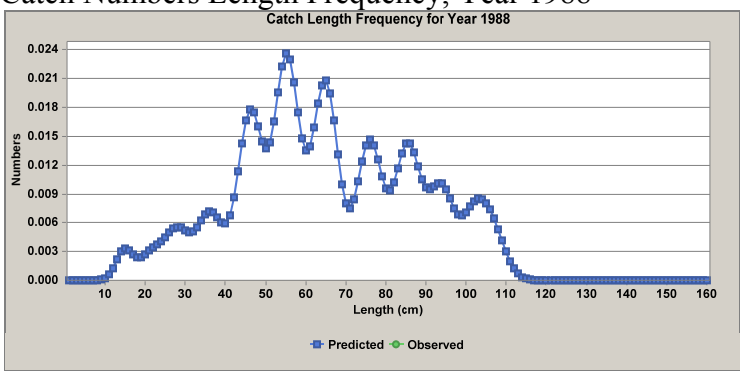

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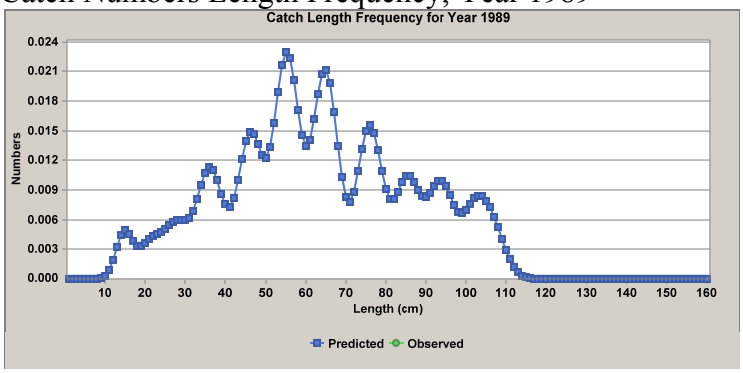

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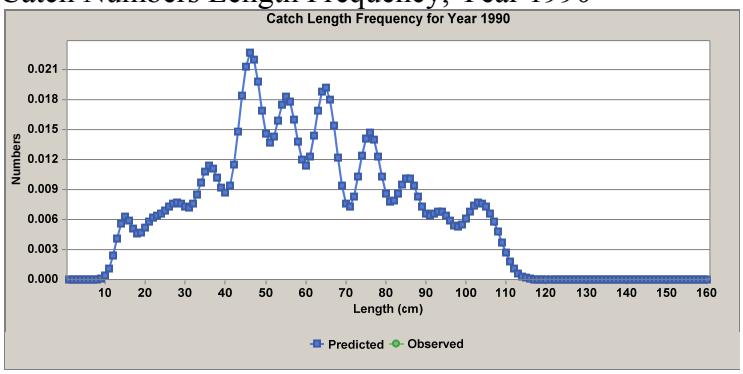

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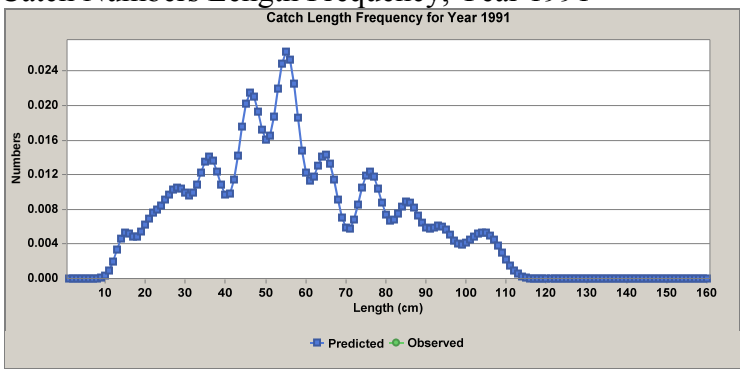

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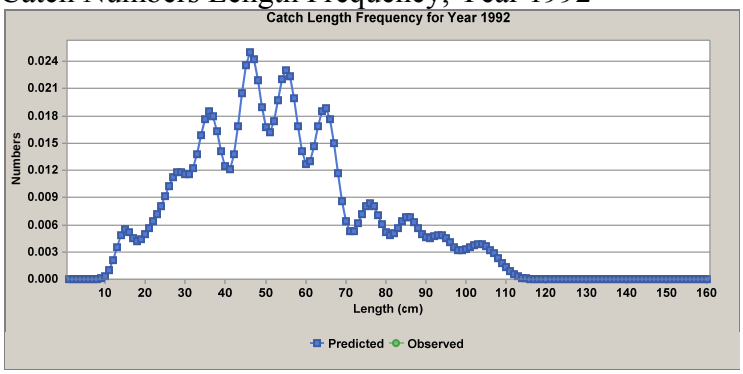

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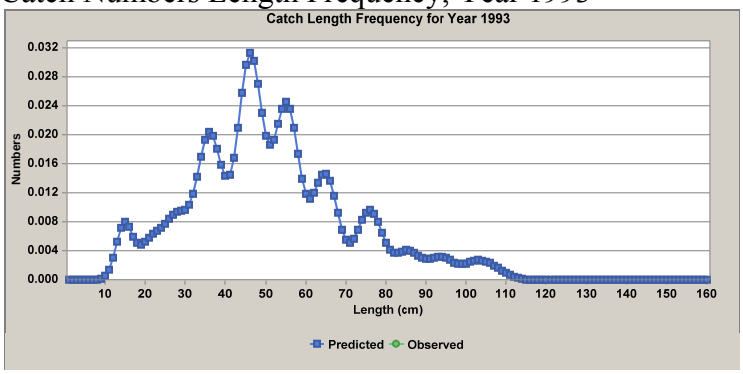

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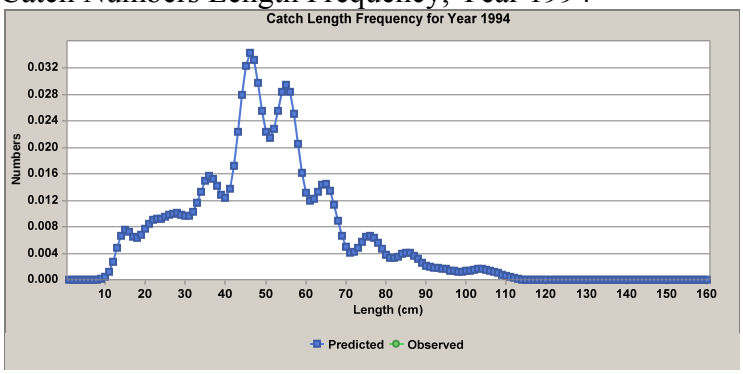

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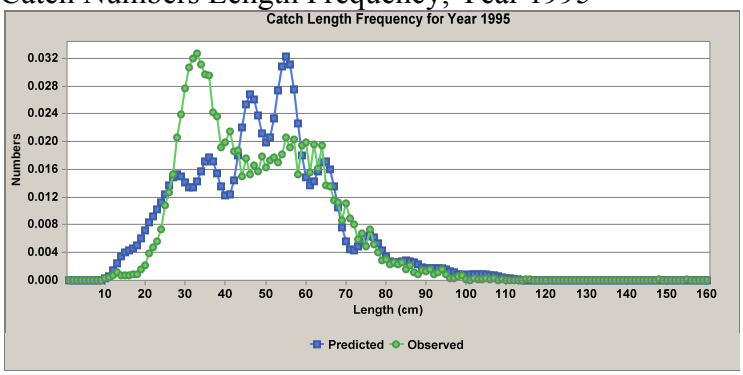

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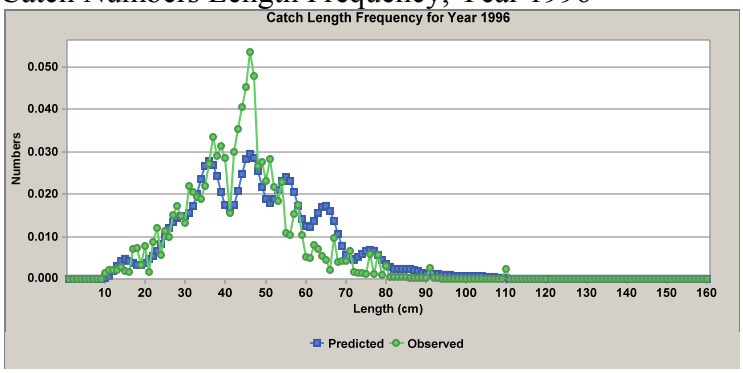

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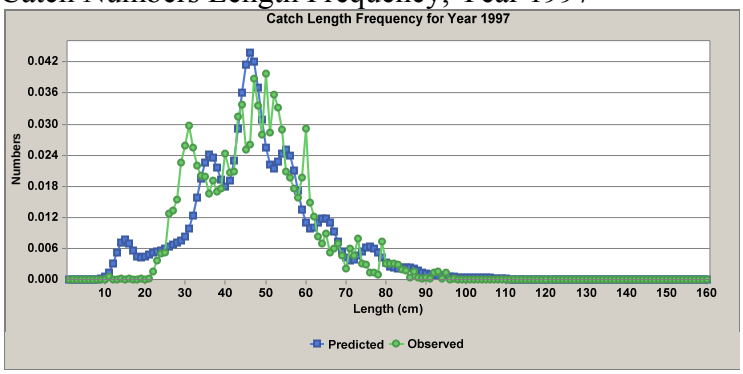

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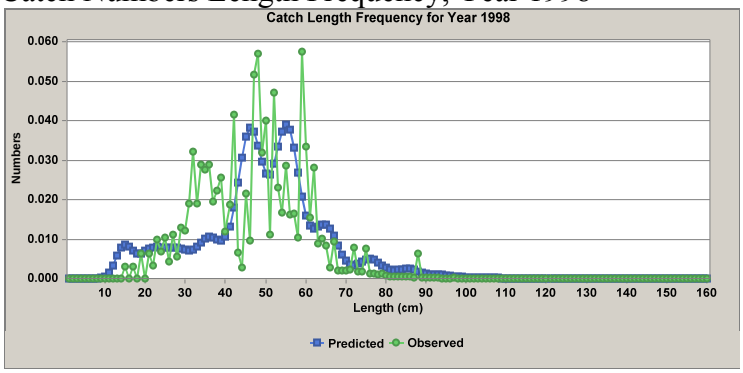

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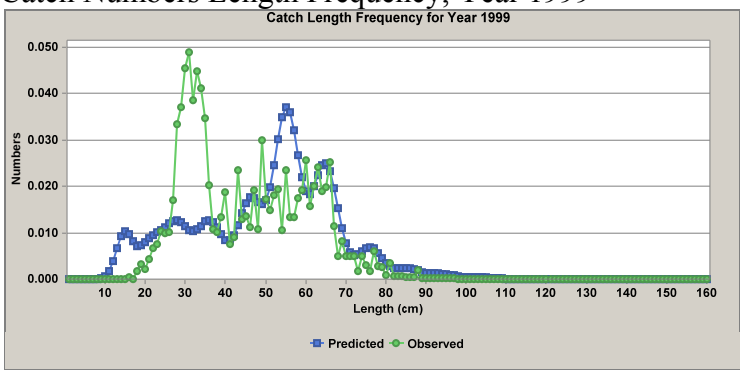

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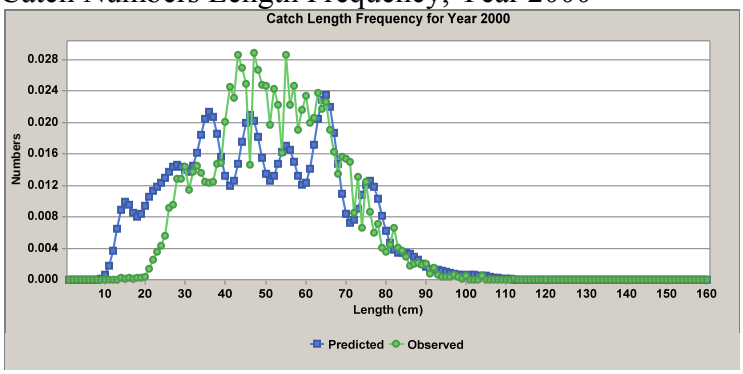

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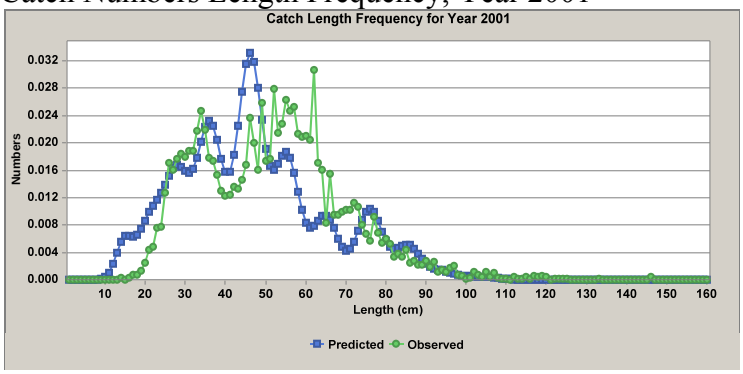

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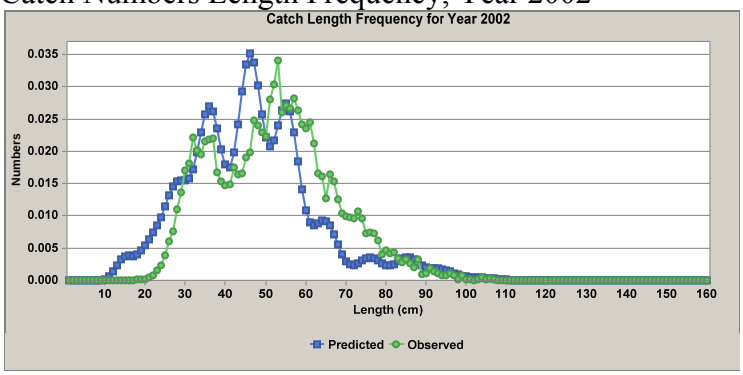

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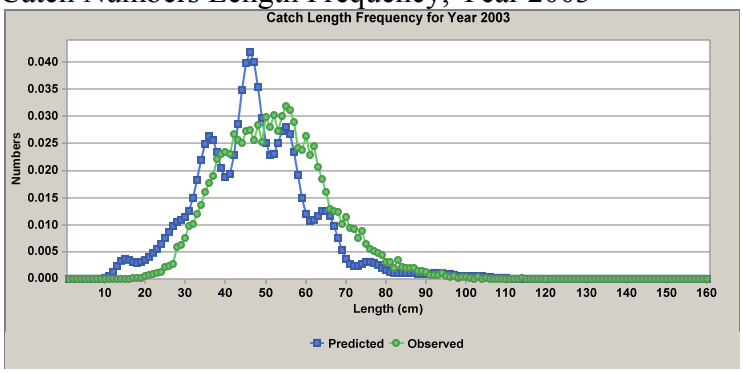
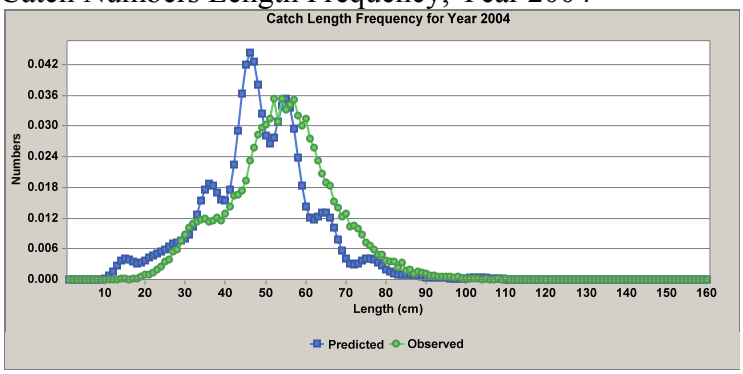


Catch Numbers Length Frequency, Year 2004



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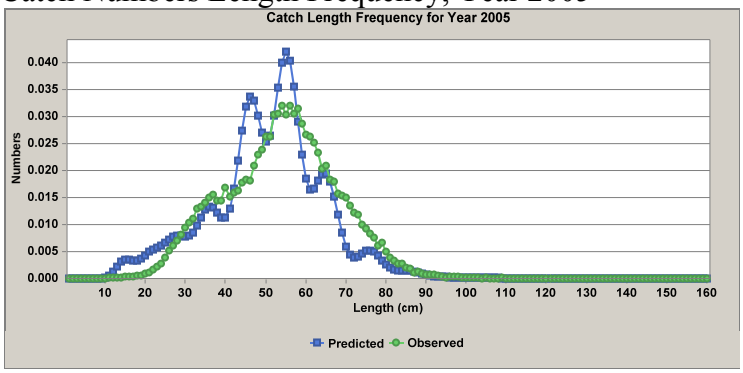
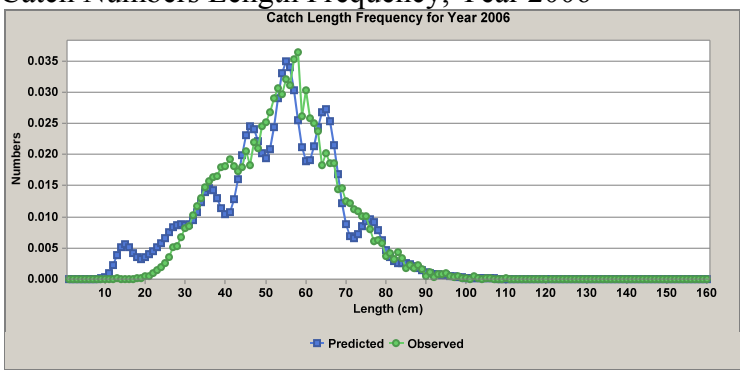
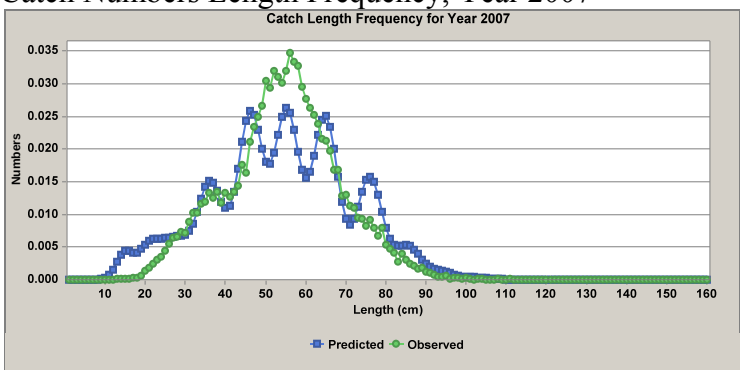


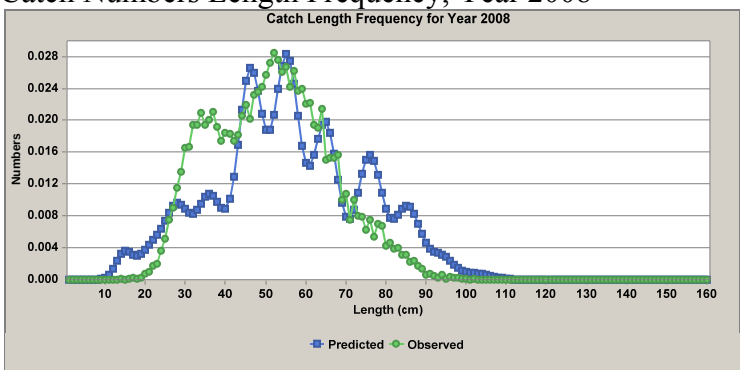
Catch Numbers Length Frequency, Year 2006



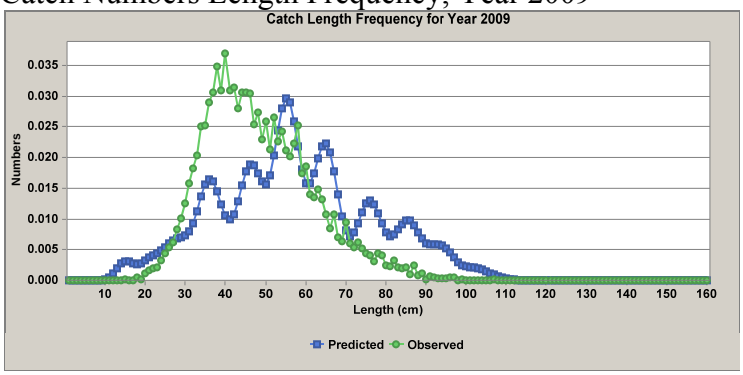
Catch Numbers Length Frequency, Year 2007



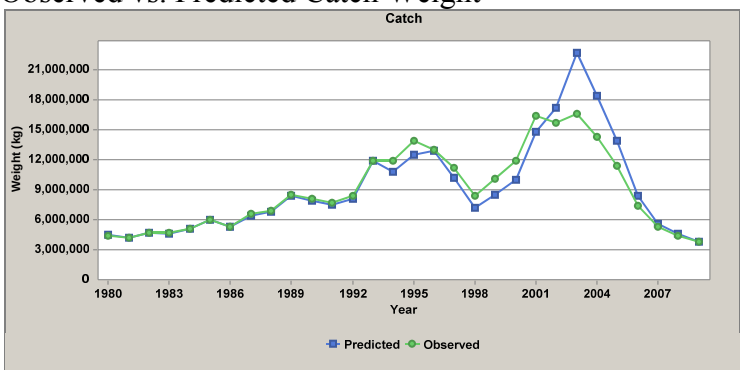
Catch Numbers Length Frequency, Year 2008



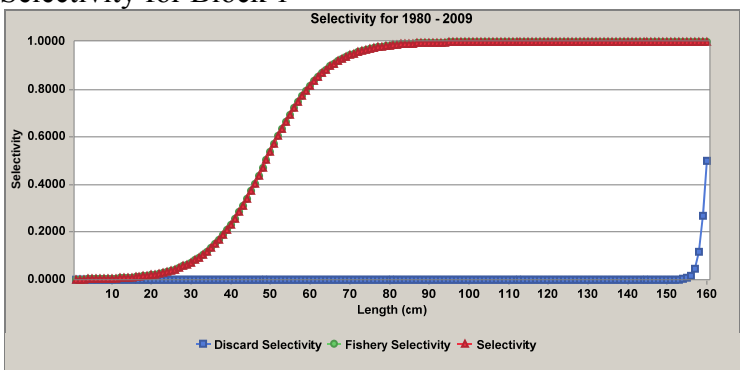
Catch Numbers Length Frequency, Year 2009



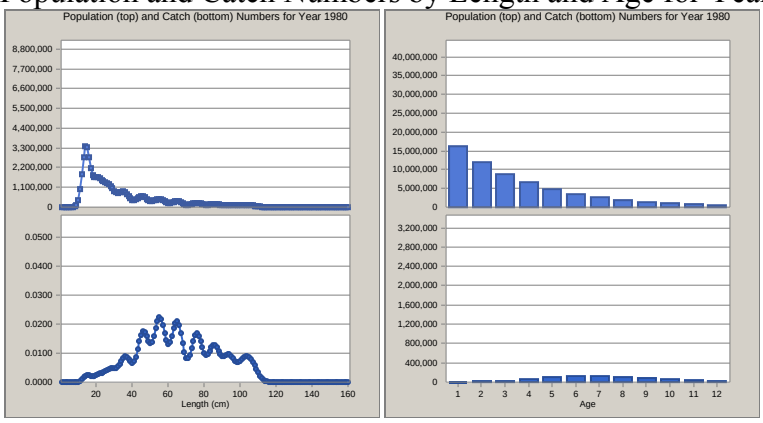
Observed vs. Predicted Catch Weight



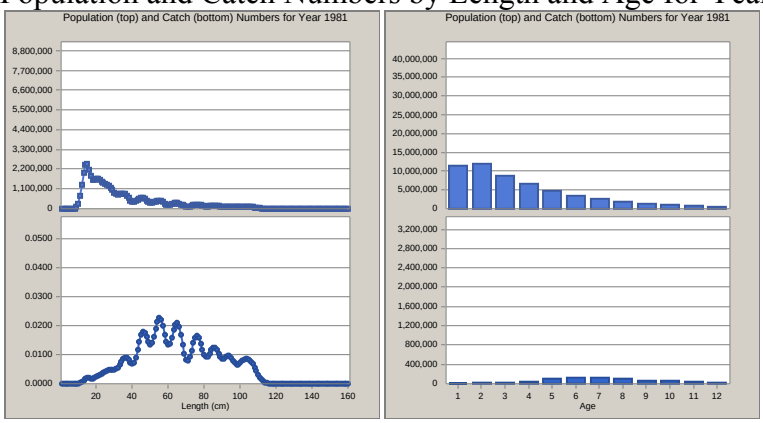
Selectivity for Block 1



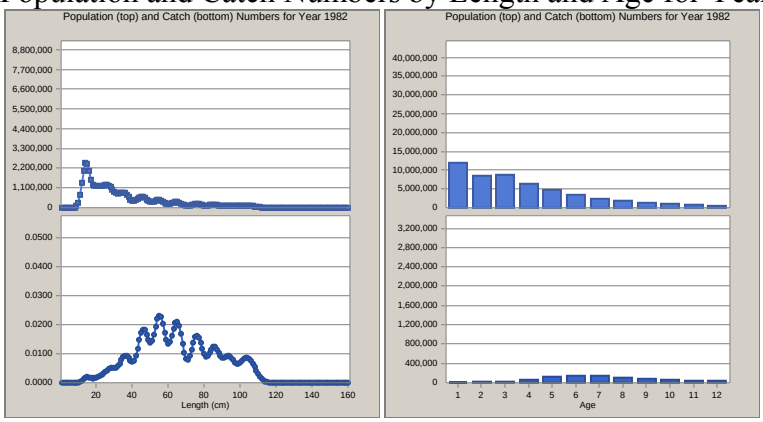
Population and Catch Numbers by Length and Age for Year 1980



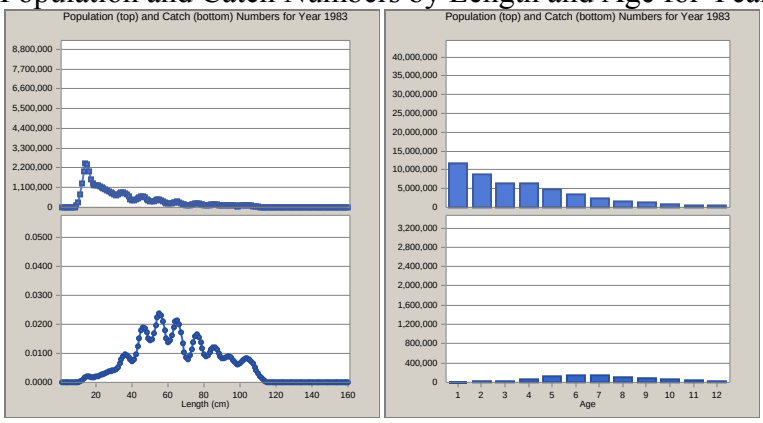
Population and Catch Numbers by Length and Age for Year 1981



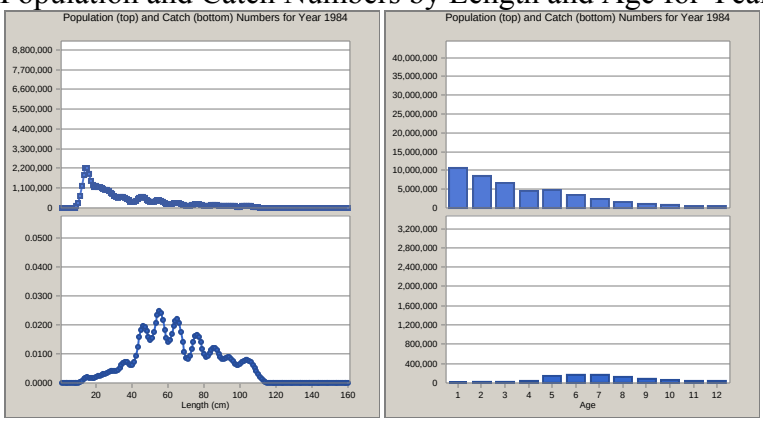
Population and Catch Numbers by Length and Age for Year 1982



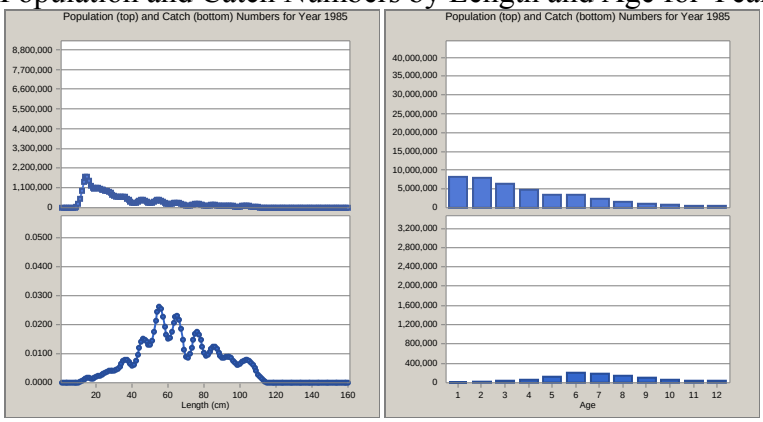
Population and Catch Numbers by Length and Age for Year 1983



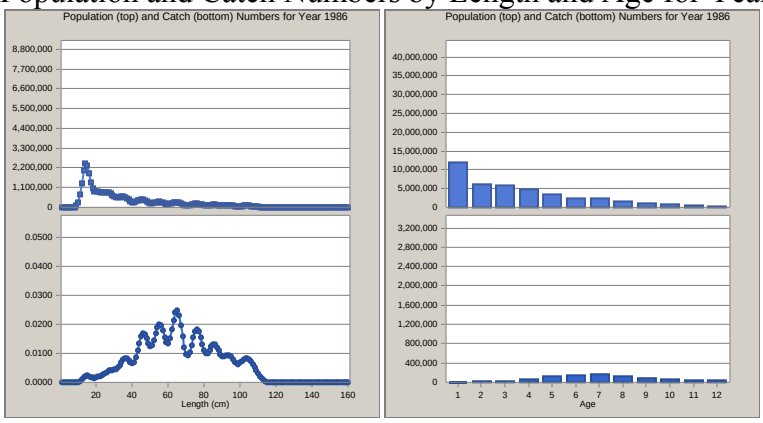
Population and Catch Numbers by Length and Age for Year 1984



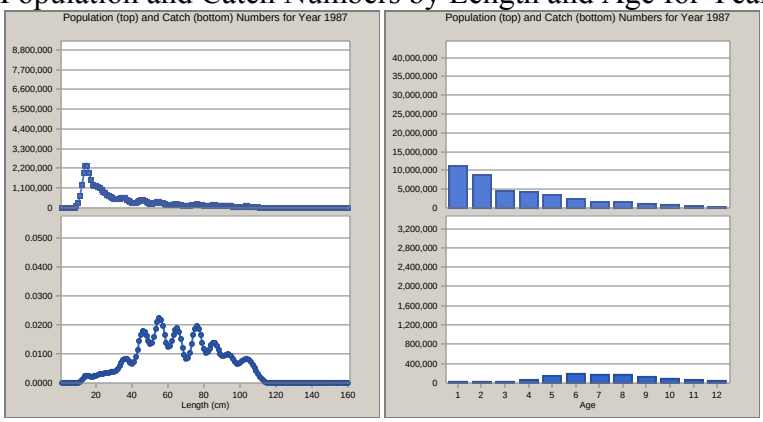
Population and Catch Numbers by Length and Age for Year 1985



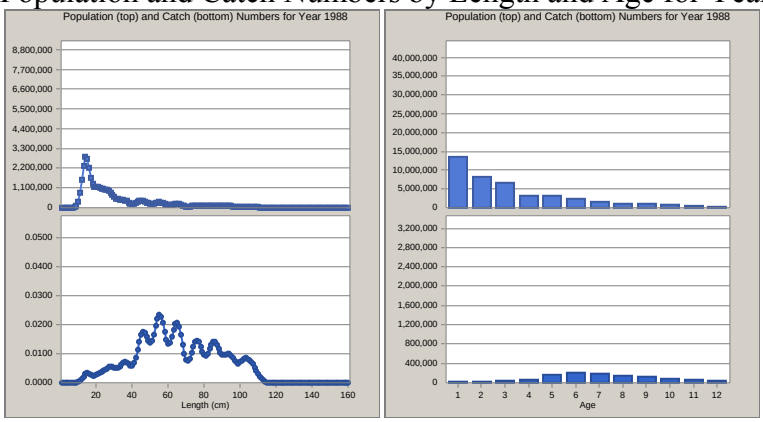
Population and Catch Numbers by Length and Age for Year 1986



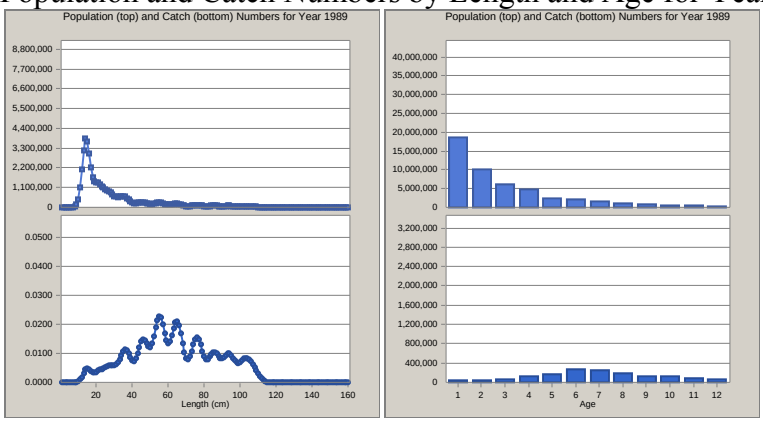
Population and Catch Numbers by Length and Age for Year 1987



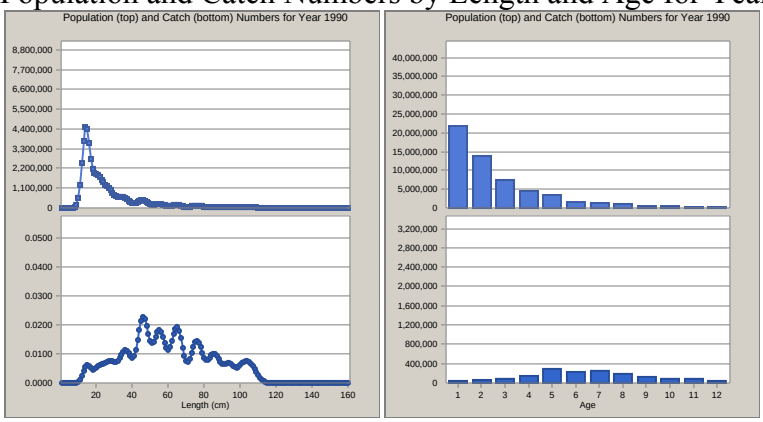
Population and Catch Numbers by Length and Age for Year 1988



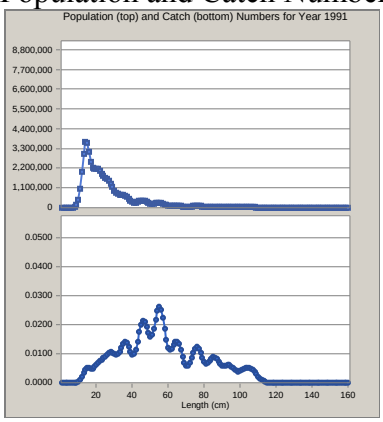
Population and Catch Numbers by Length and Age for Year 1989

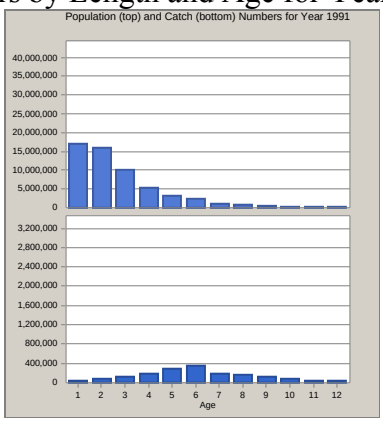


Population and Catch Numbers by Length and Age for Year 1990

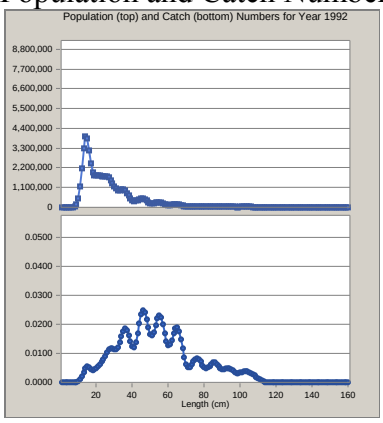


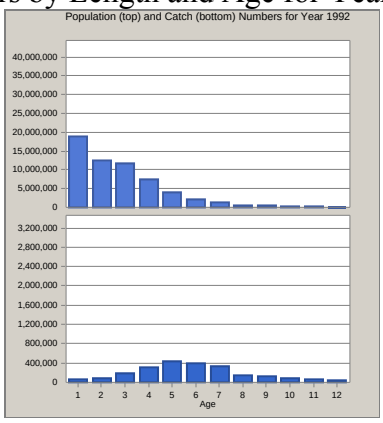
Population and Catch Numbers by Length and Age for Year 1991



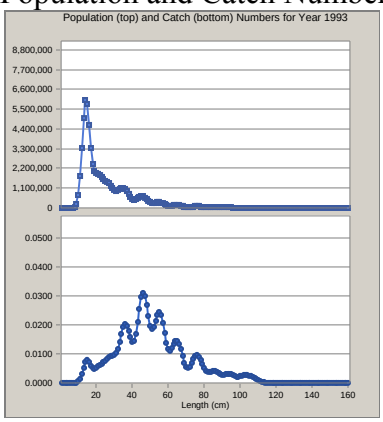


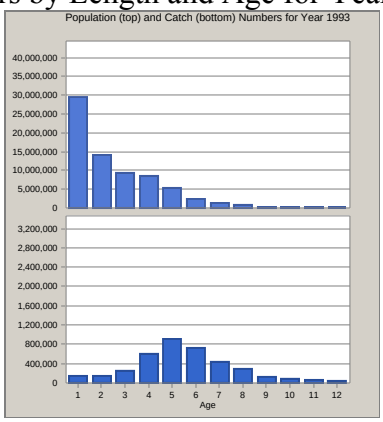
Population and Catch Numbers by Length and Age for Year 1992



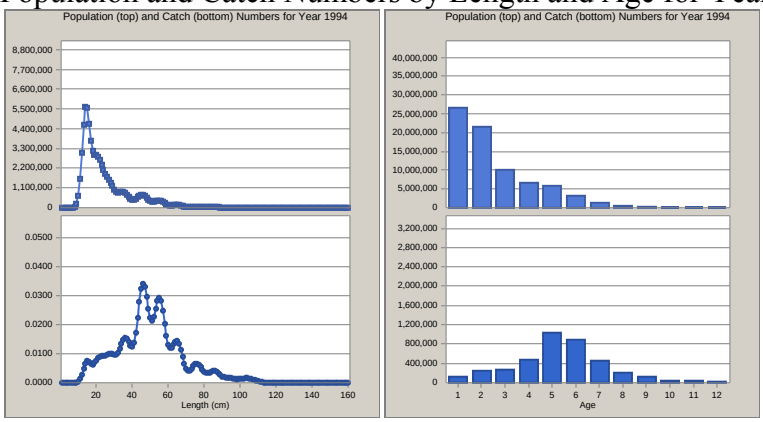


Population and Catch Numbers by Length and Age for Year 1993

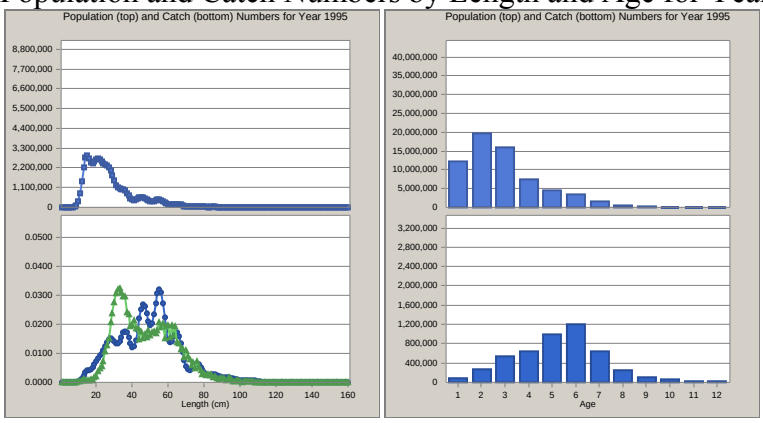




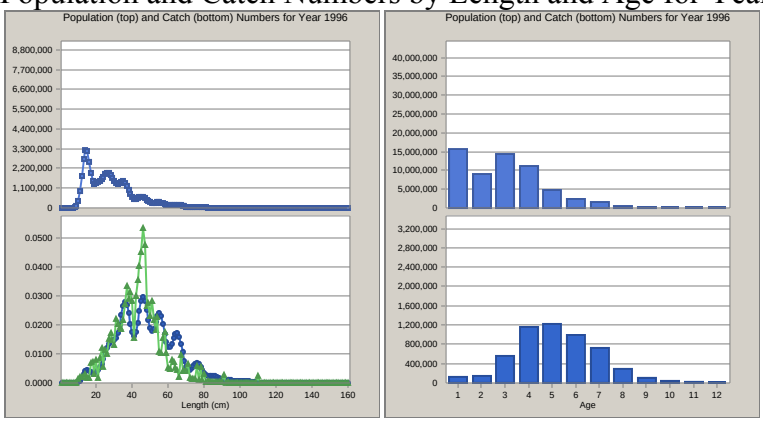
Population and Catch Numbers by Length and Age for Year 1994



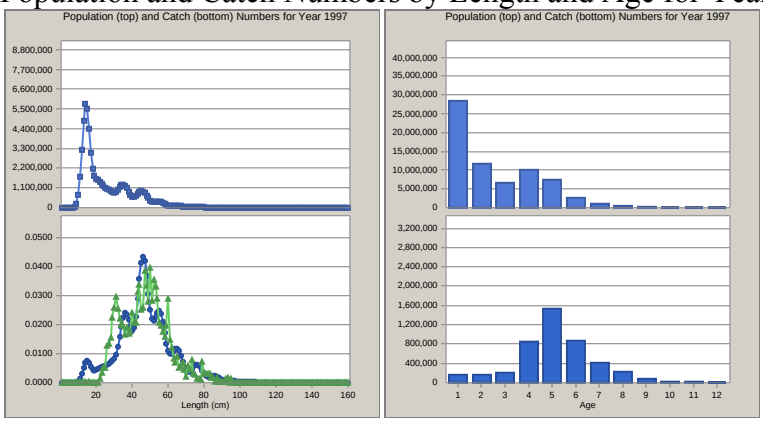
Population and Catch Numbers by Length and Age for Year 1995



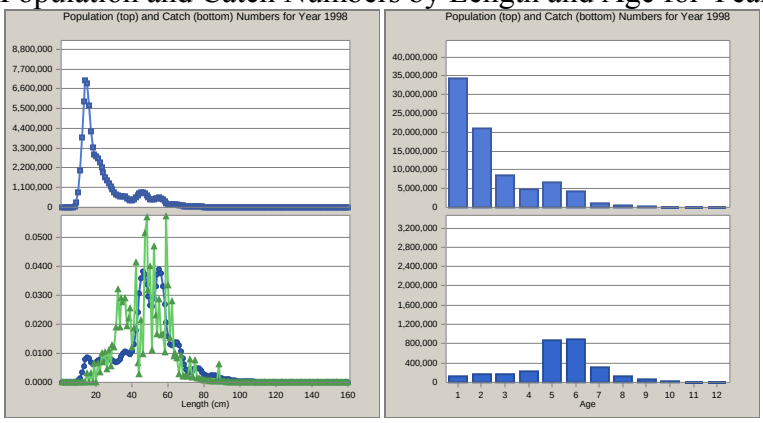
Population and Catch Numbers by Length and Age for Year 1996



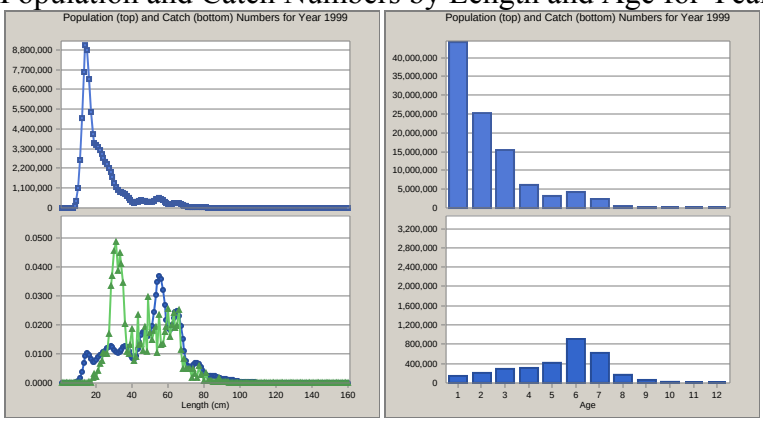
Population and Catch Numbers by Length and Age for Year 1997



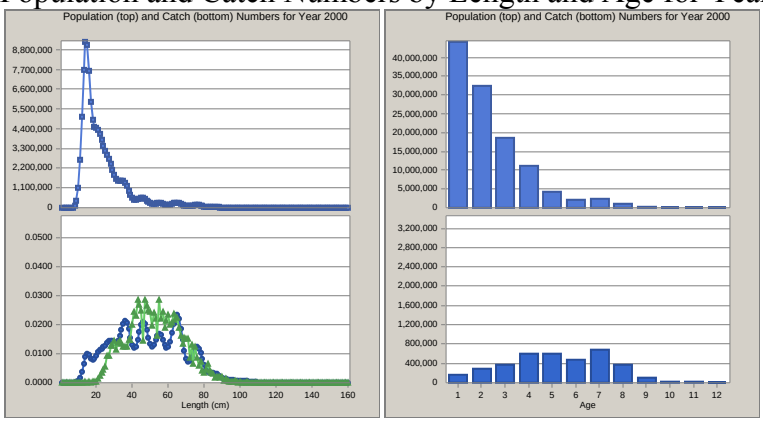
Population and Catch Numbers by Length and Age for Year 1998



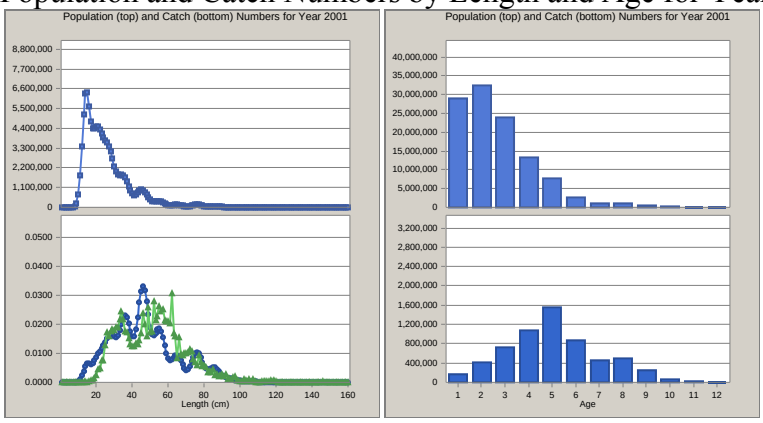
Population and Catch Numbers by Length and Age for Year 1999



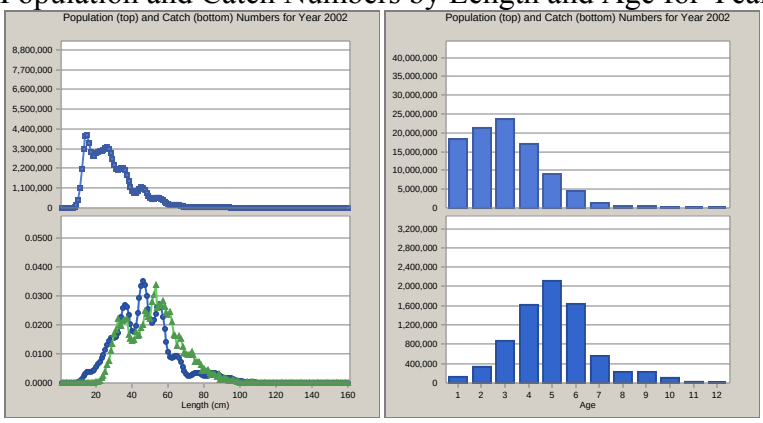
Population and Catch Numbers by Length and Age for Year 2000



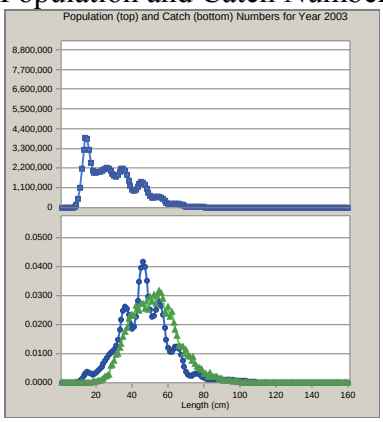
Population and Catch Numbers by Length and Age for Year 2001

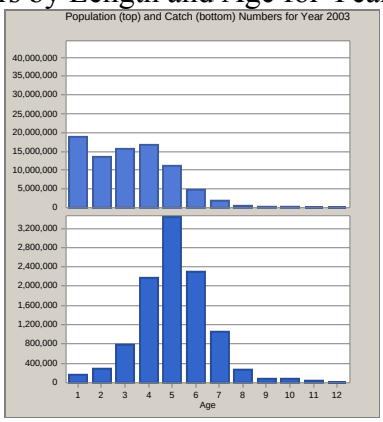


Population and Catch Numbers by Length and Age for Year 2002

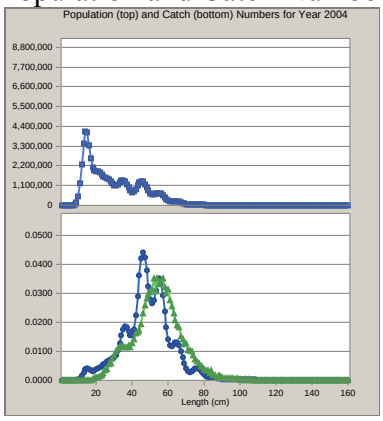


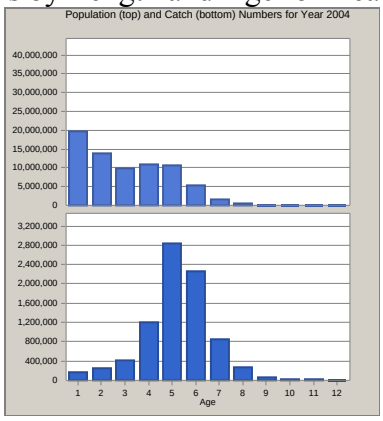
Population and Catch Numbers by Length and Age for Year 2003



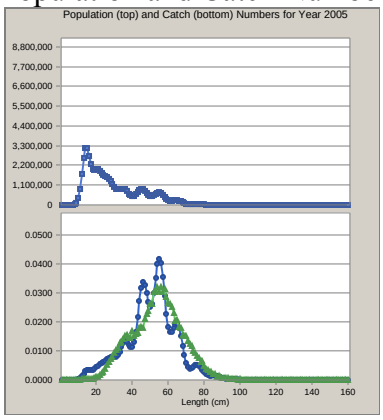


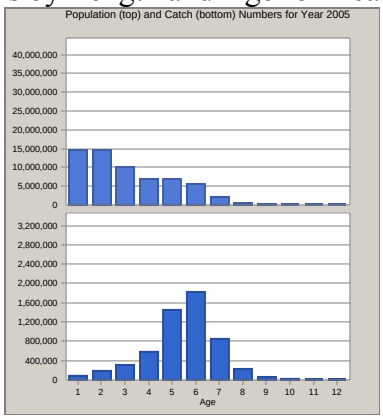
Population and Catch Numbers by Length and Age for Year 2004



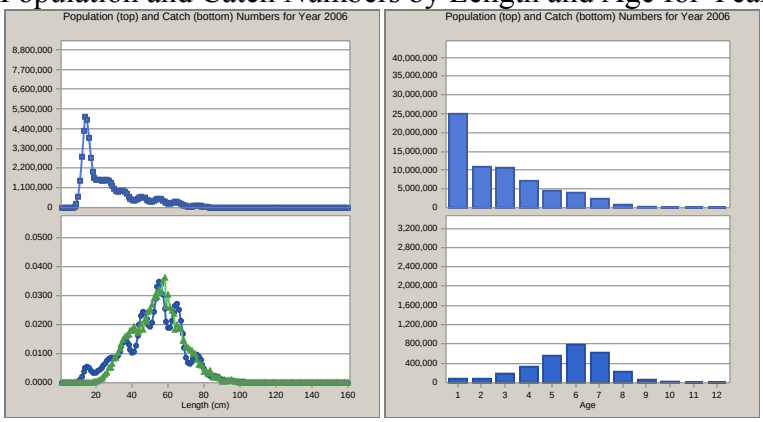


Population and Catch Numbers by Length and Age for Year 2005

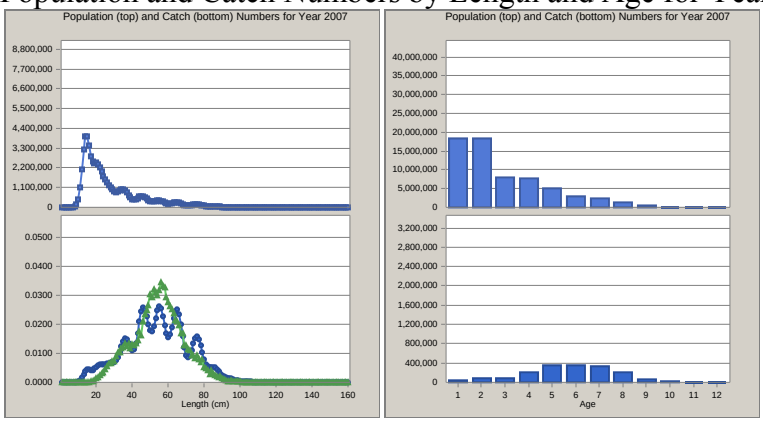




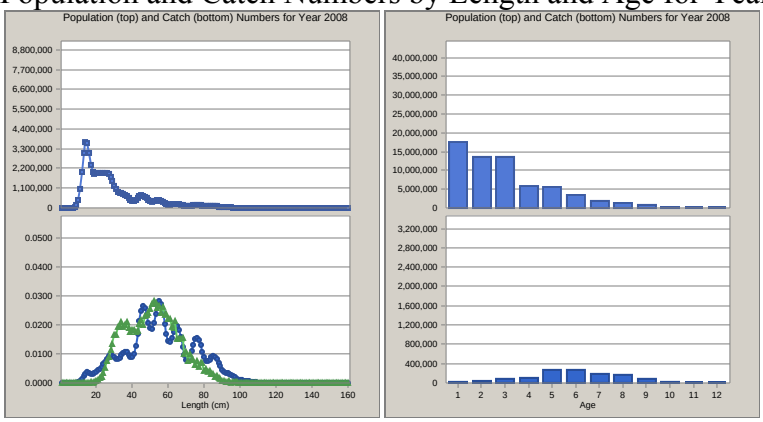
Population and Catch Numbers by Length and Age for Year 2006



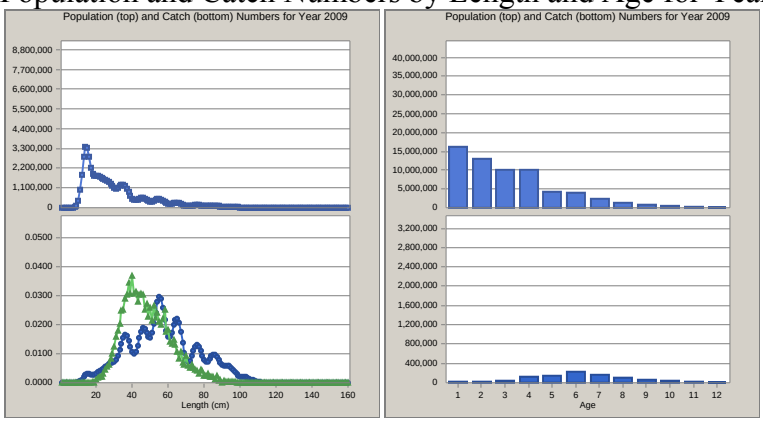
Population and Catch Numbers by Length and Age for Year 2007



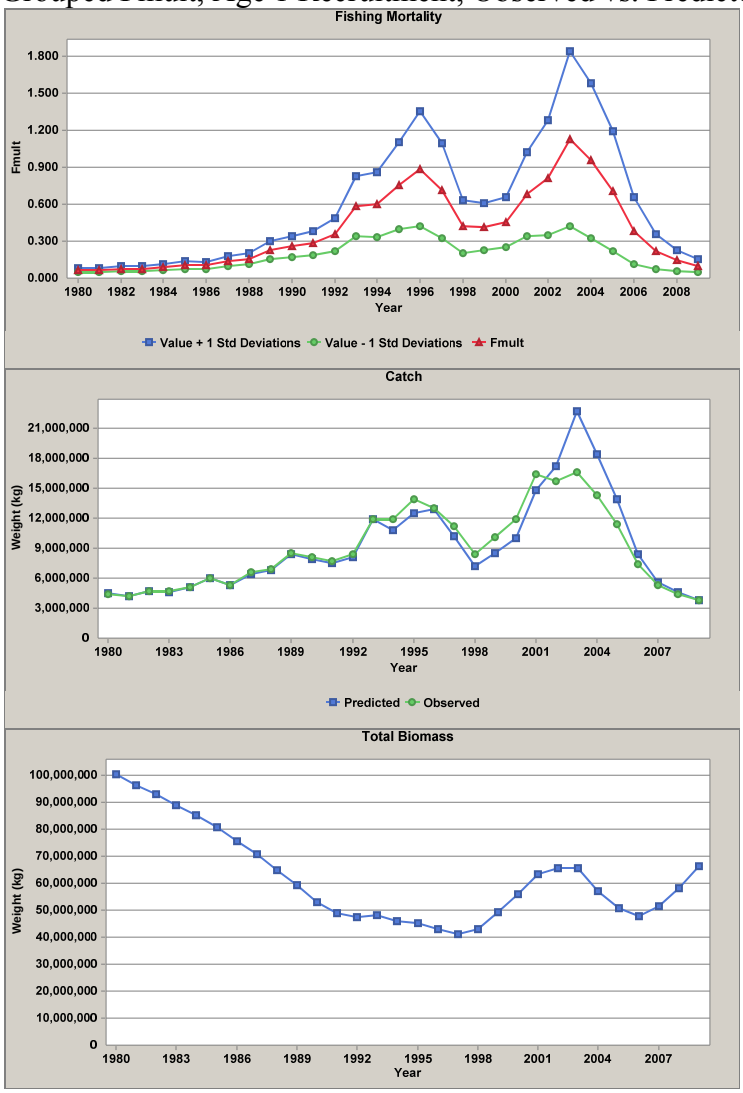
Population and Catch Numbers by Length and Age for Year 2008



Population and Catch Numbers by Length and Age for Year 2009



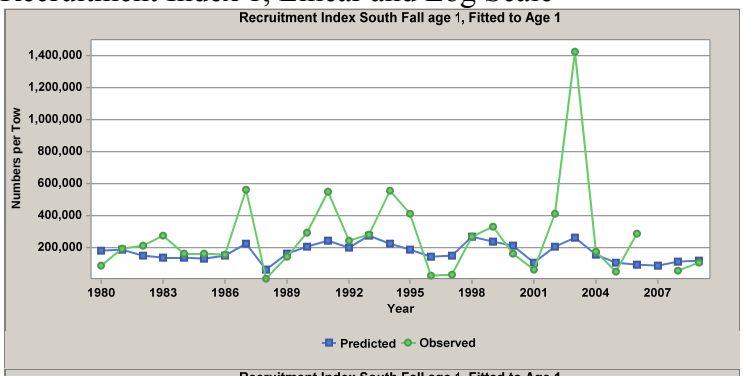
Grouped Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass

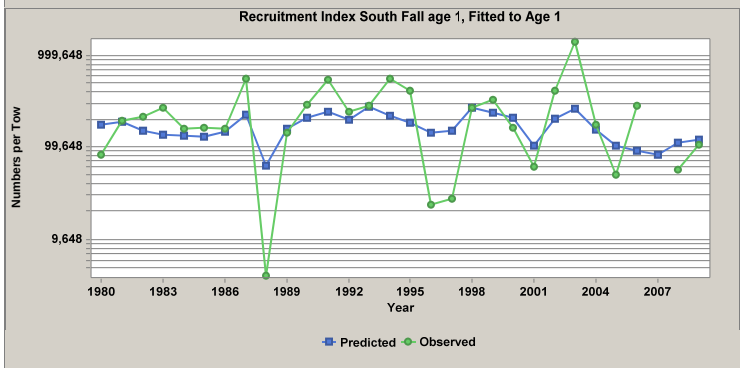


Southern Management Area Final Run 8

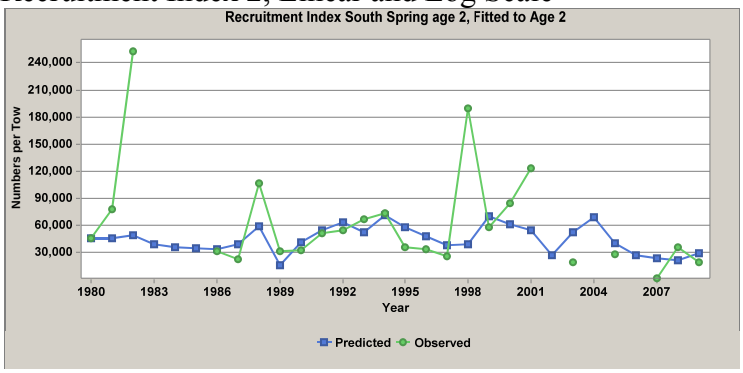
Recruitment Indices, Group Linear and Log Scale, 1 Index per Line (14 Plots)
Adult Indices, Group Linear and Log Scale, 1 Index per Line (8 Plots)
Survey Length Frequencies (210 Plots)
Catch Numbers, Catch Length Frequency (30 Plots)
Observed vs. Predicted Catch Weight (1 Plot)
Selectivity (2 Plots)
4-Plot: Population and Catch Numbers (60 Plots)
Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass: Group 2 per Line (4 Plots)

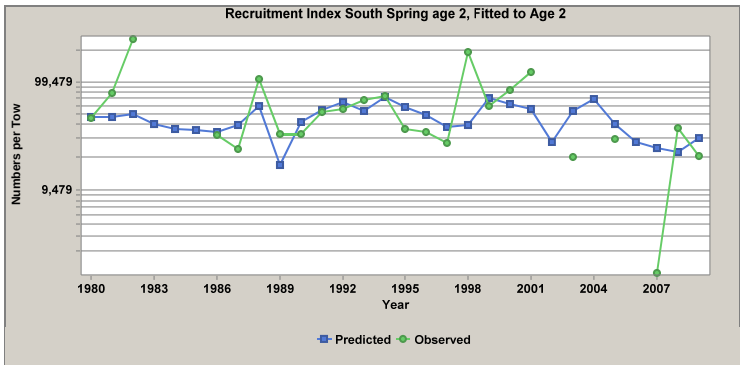
Recruitment Index 1, Linear and Log Scale



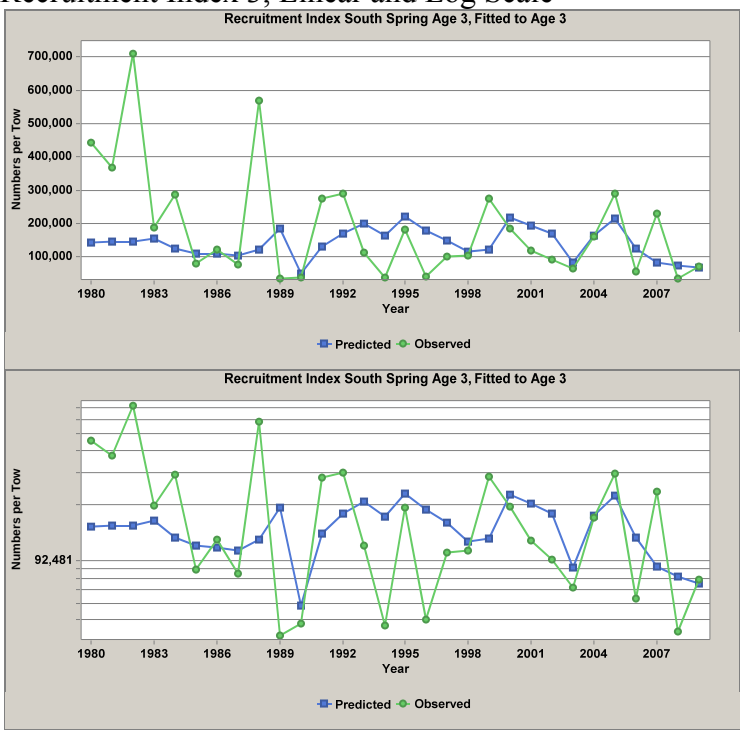


Recruitment Index 2, Linear and Log Scale

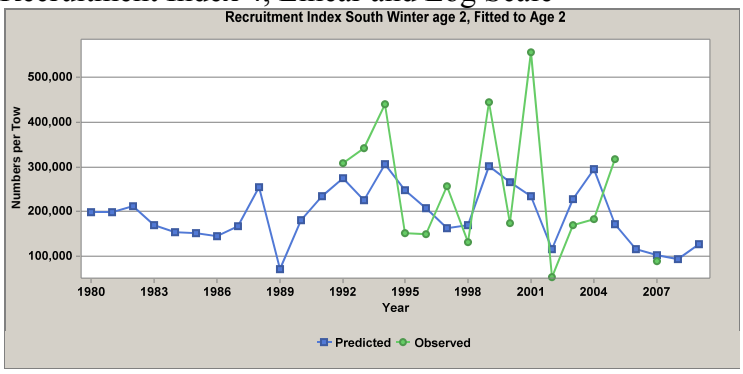


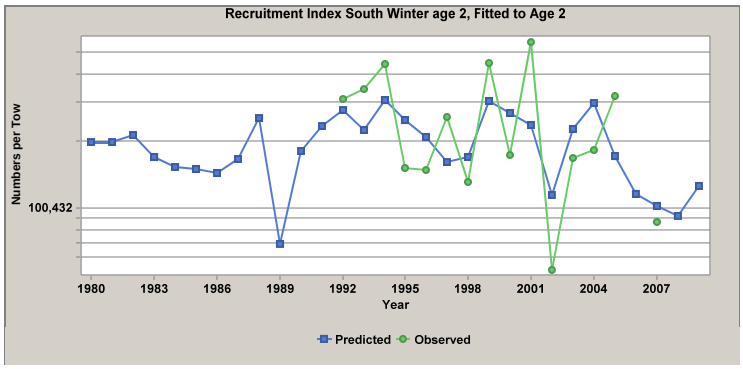


Recruitment Index 3, Linear and Log Scale

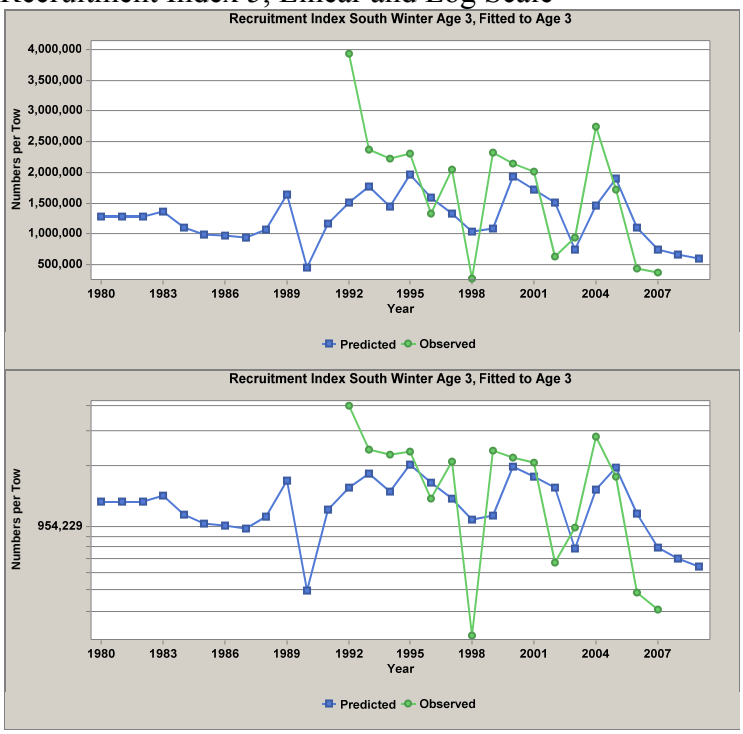


Recruitment Index 4, Linear and Log Scale

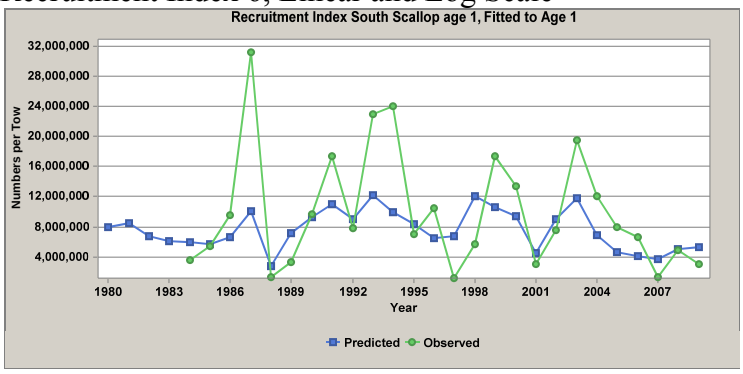


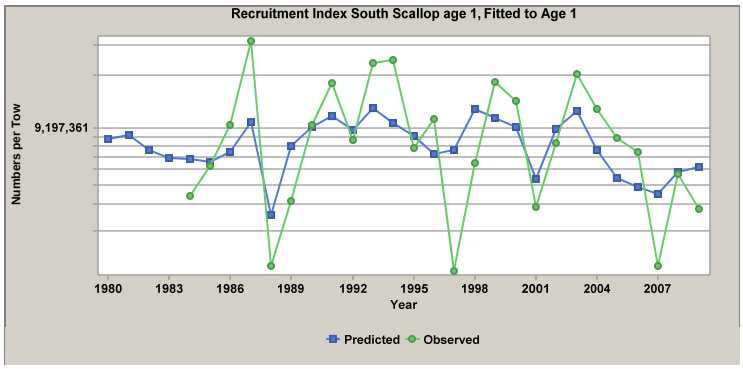


Recruitment Index 5, Linear and Log Scale

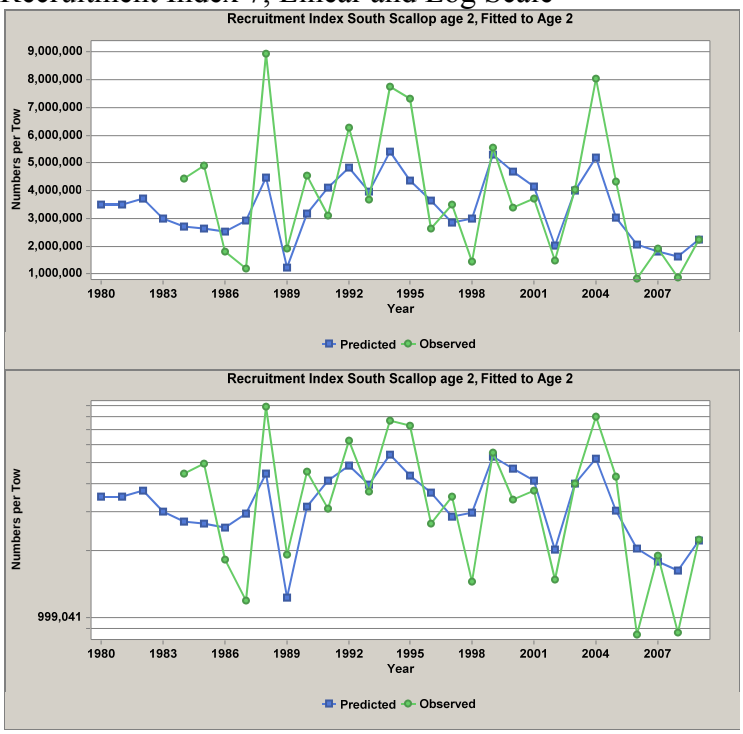


Recruitment Index 6, Linear and Log Scale

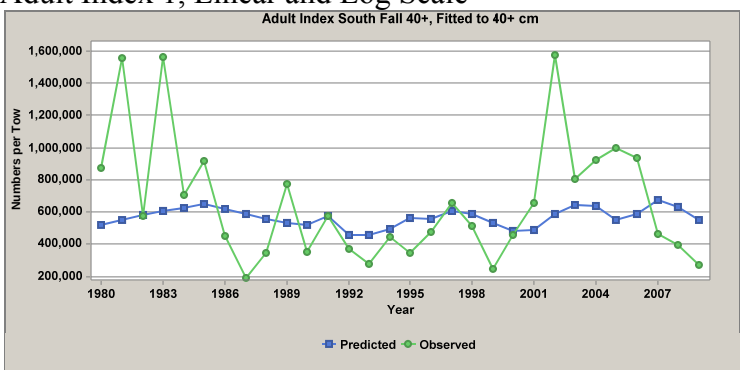


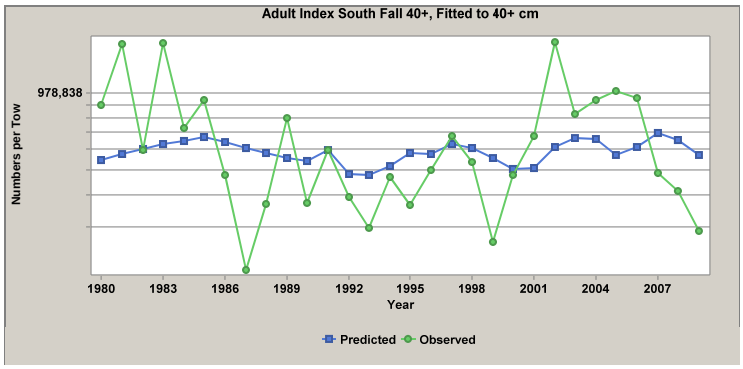


Recruitment Index 7, Linear and Log Scale

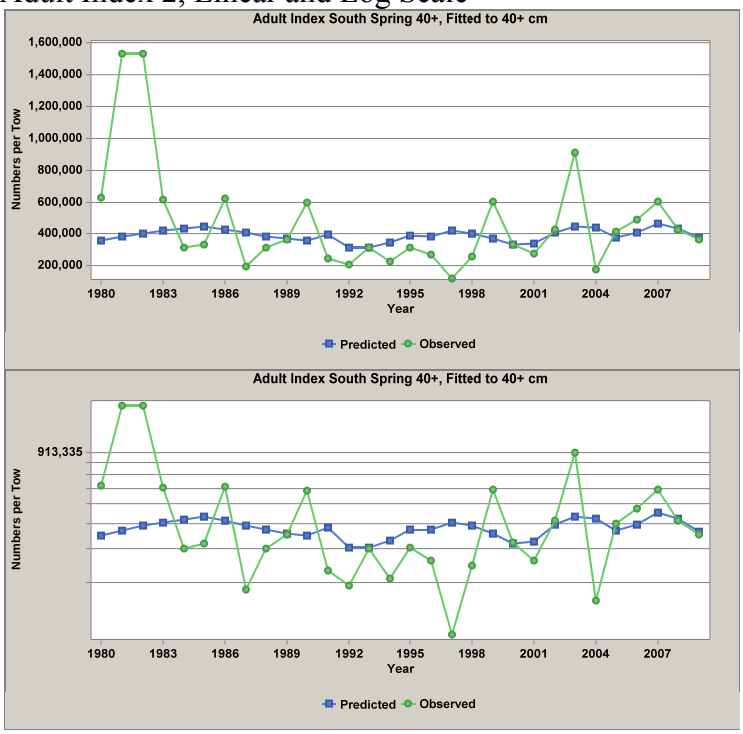


Adult Index 1, Linear and Log Scale

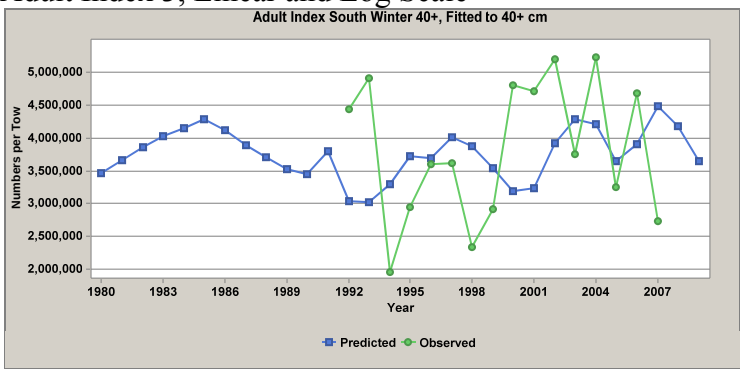


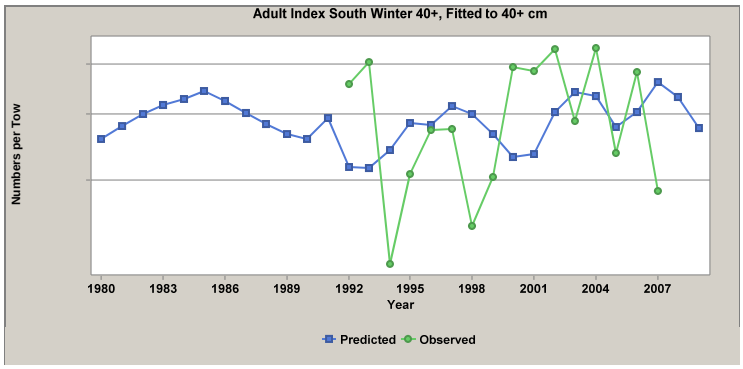


Adult Index 2, Linear and Log Scale

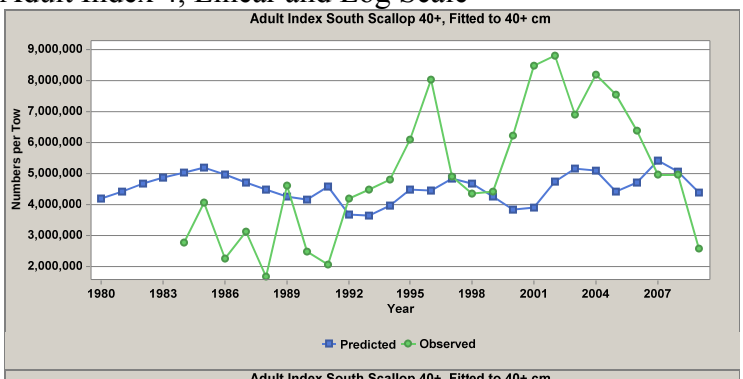


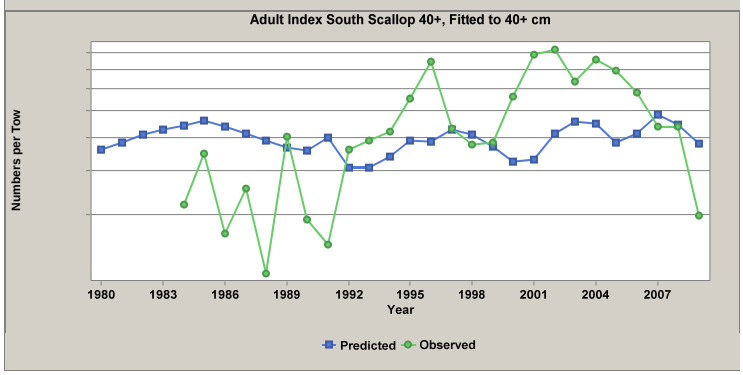
Adult Index 3, Linear and Log Scale



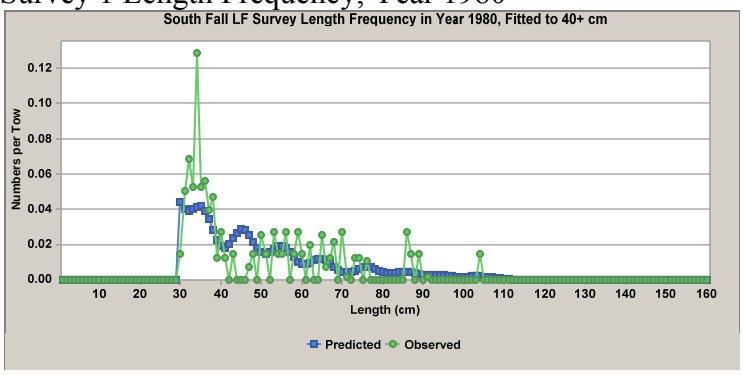


Adult Index 4, Linear and Log Scale

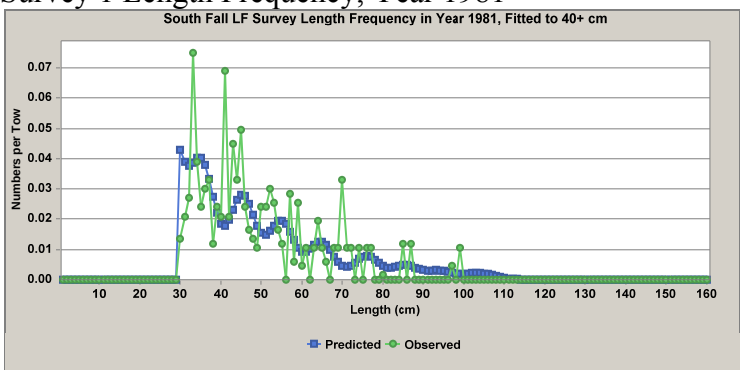




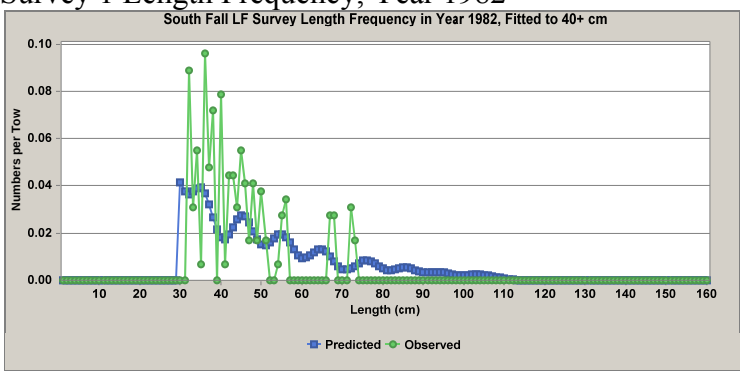
Survey 1 Length Frequency, Year 1980



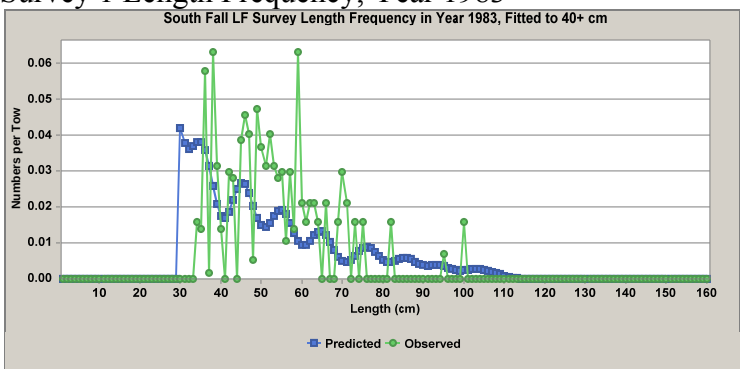
Survey 1 Length Frequency, Year 1981



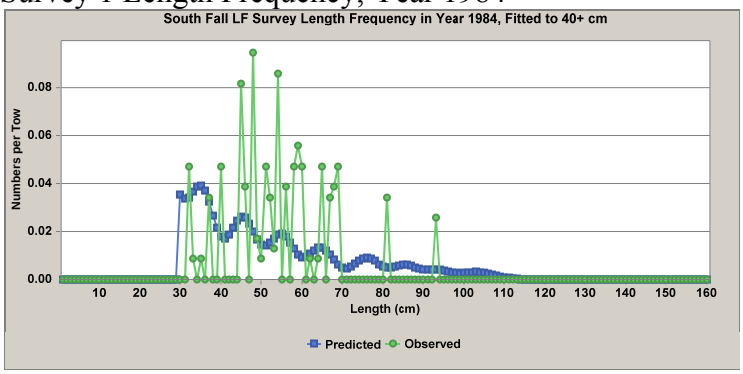
Survey 1 Length Frequency, Year 1982



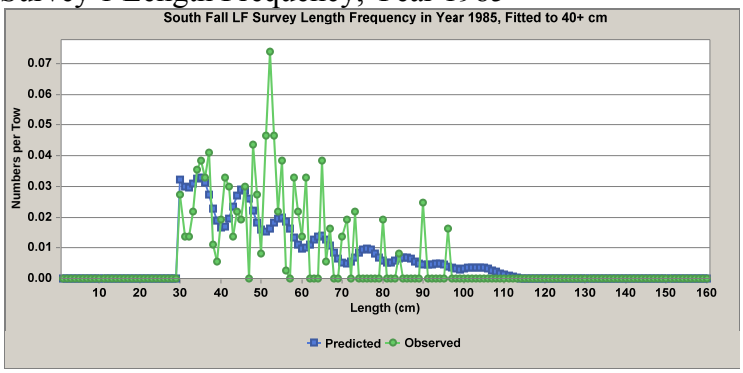
Survey 1 Length Frequency, Year 1983



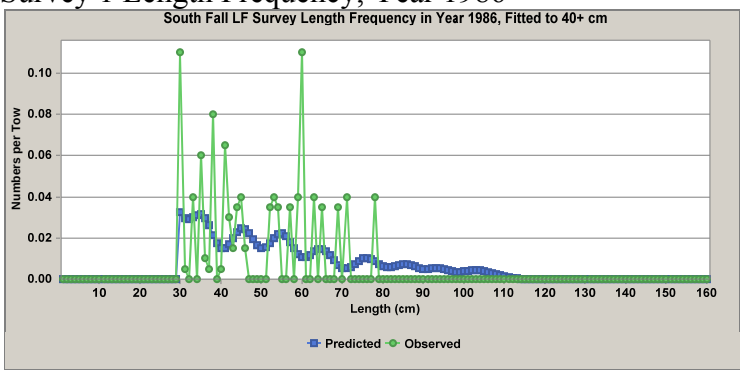
Survey 1 Length Frequency, Year 1984



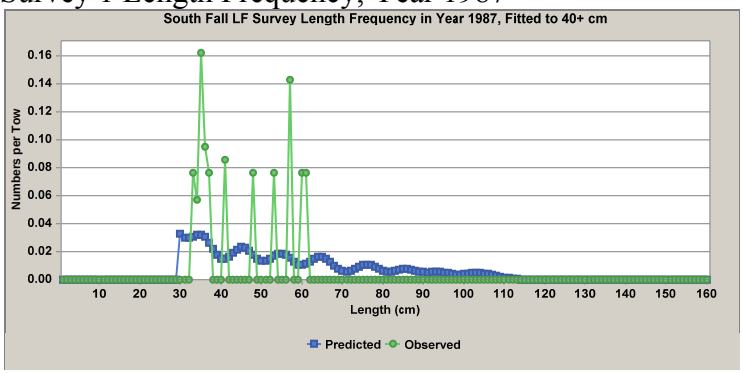
Survey 1 Length Frequency, Year 1985



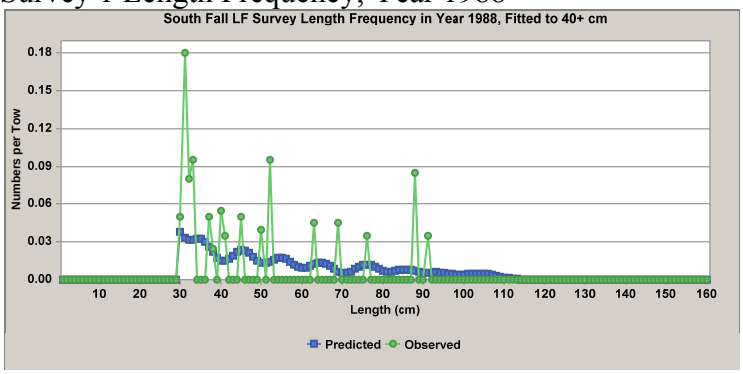
Survey 1 Length Frequency, Year 1986



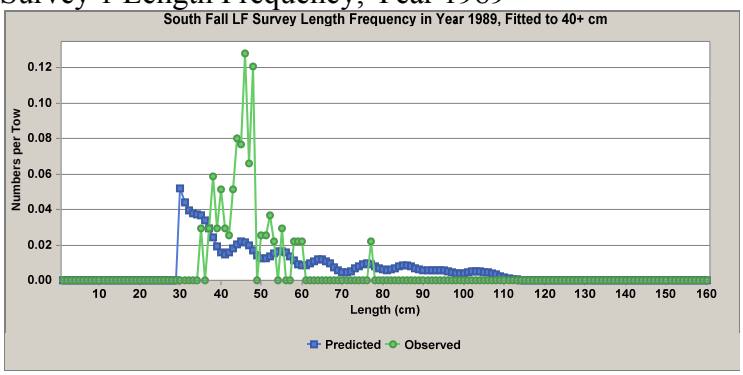
Survey 1 Length Frequency, Year 1987



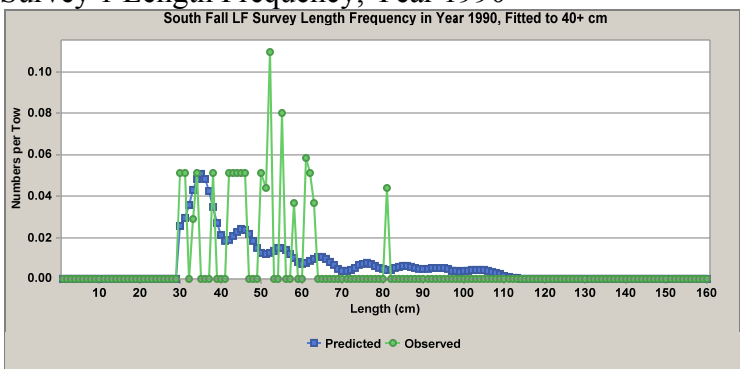
Survey 1 Length Frequency, Year 1988



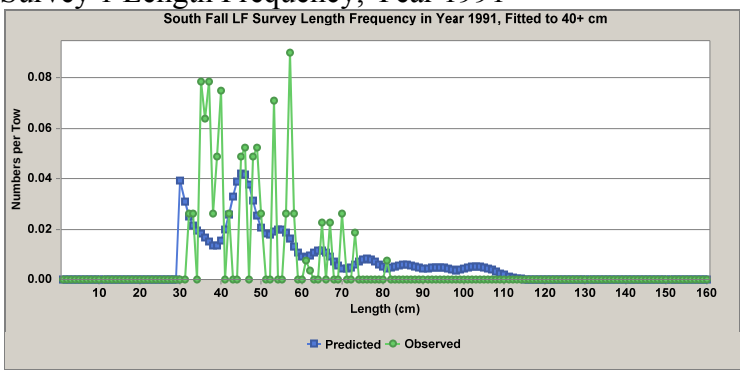
Survey 1 Length Frequency, Year 1989



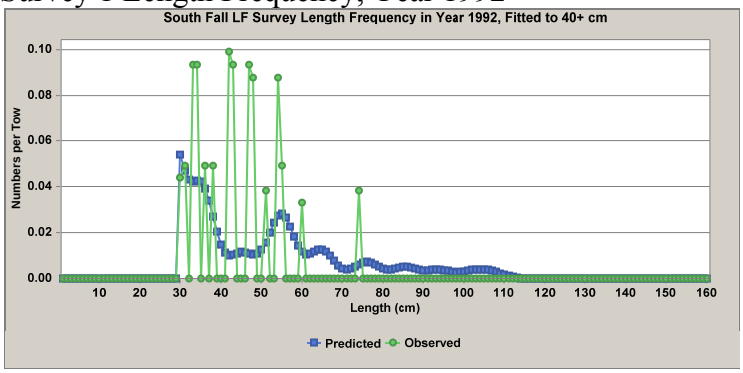
Survey 1 Length Frequency, Year 1990



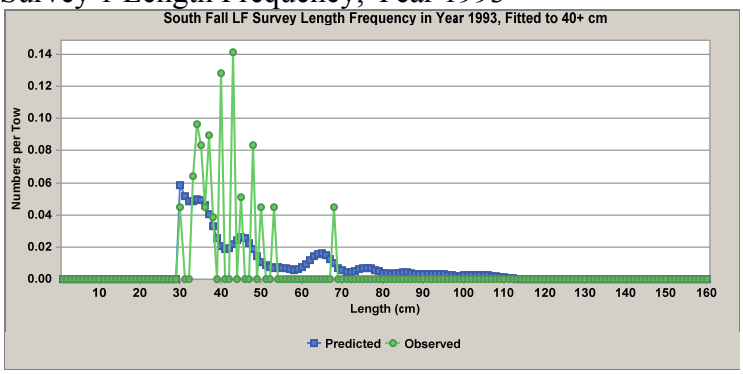
Survey 1 Length Frequency, Year 1991



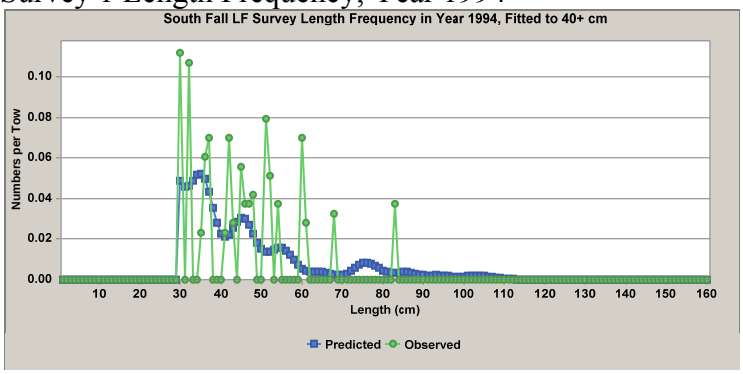
Survey 1 Length Frequency, Year 1992



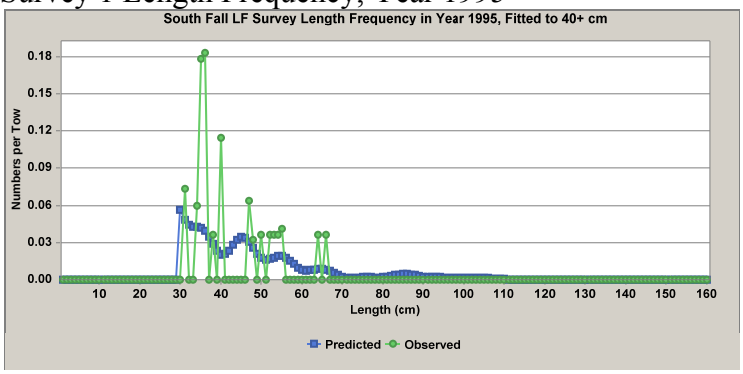
Survey 1 Length Frequency, Year 1993



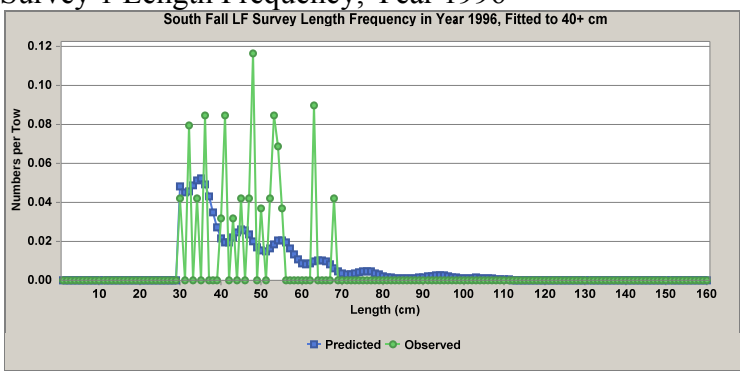
Survey 1 Length Frequency, Year 1994



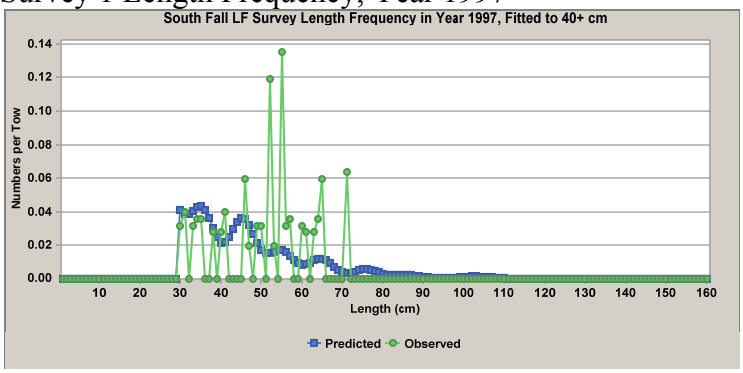
Survey 1 Length Frequency, Year 1995



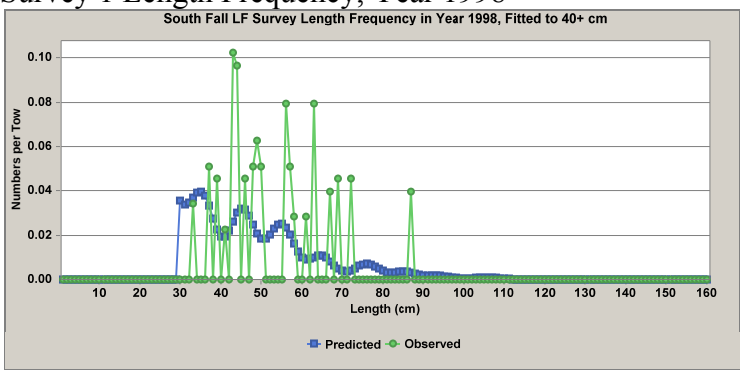
Survey 1 Length Frequency, Year 1996



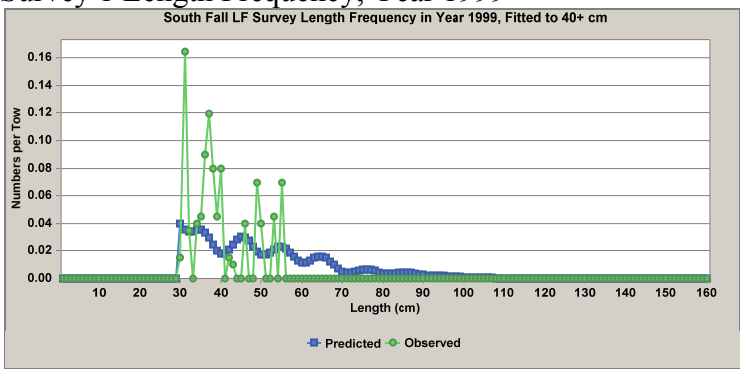
Survey 1 Length Frequency, Year 1997



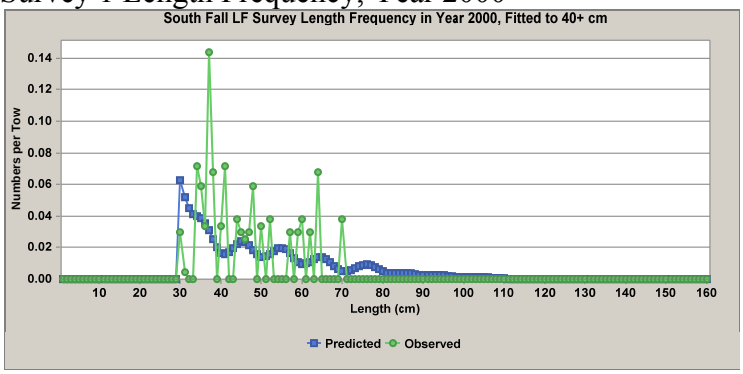
Survey 1 Length Frequency, Year 1998



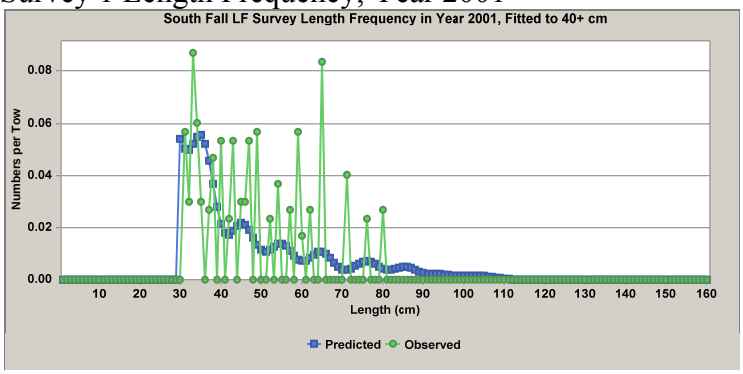
Survey 1 Length Frequency, Year 1999



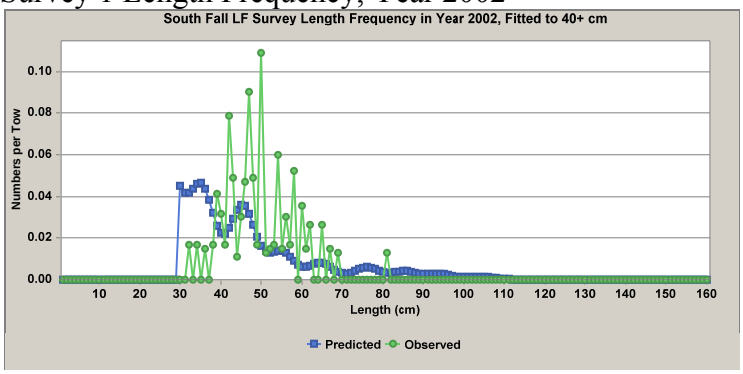
Survey 1 Length Frequency, Year 2000



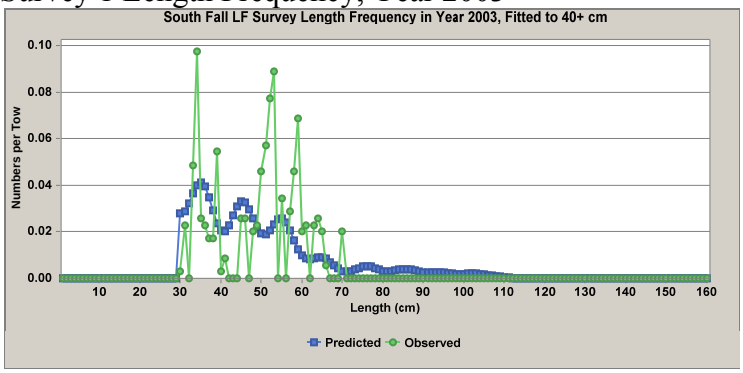
Survey 1 Length Frequency, Year 2001



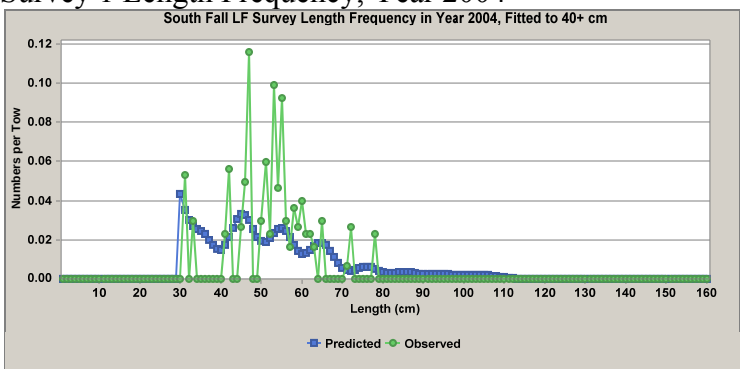
Survey 1 Length Frequency, Year 2002



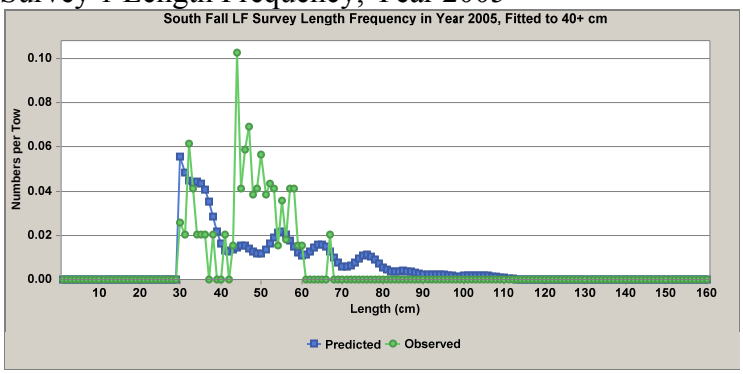
Survey 1 Length Frequency, Year 2003



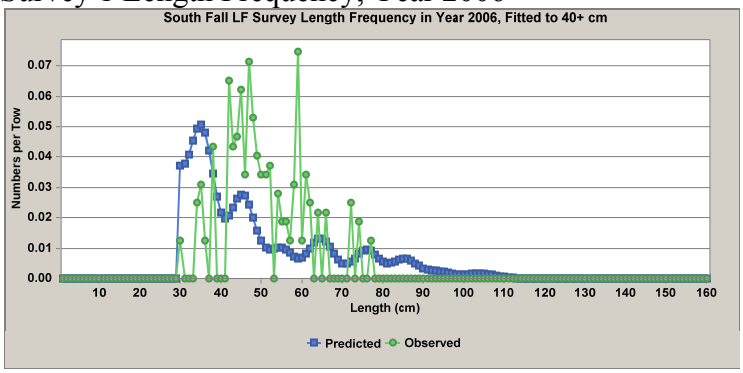
Survey 1 Length Frequency, Year 2004



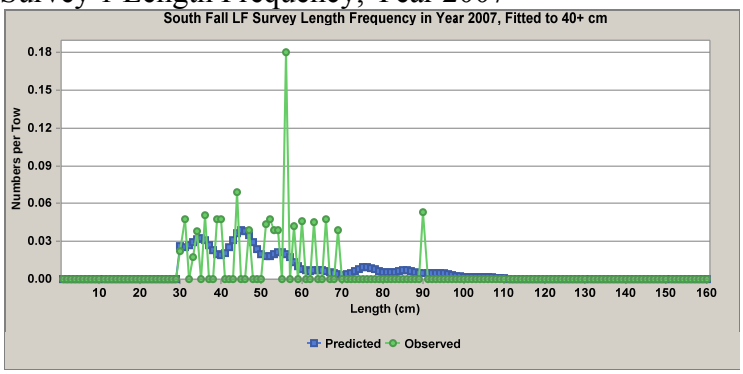
Survey 1 Length Frequency, Year 2005



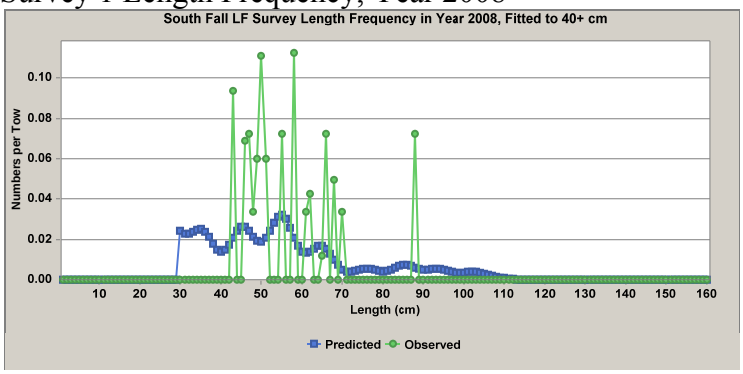
Survey 1 Length Frequency, Year 2006



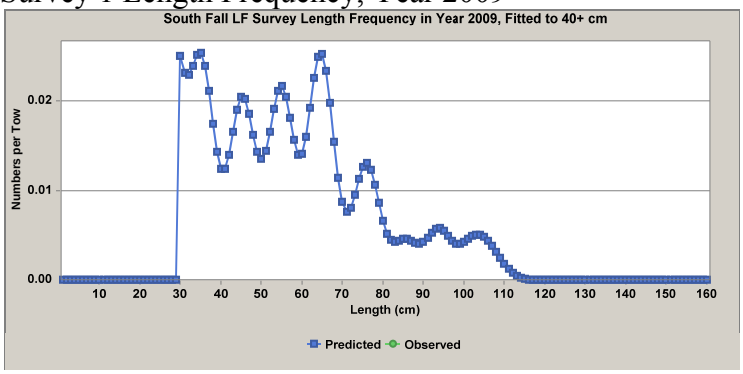
Survey 1 Length Frequency, Year 2007



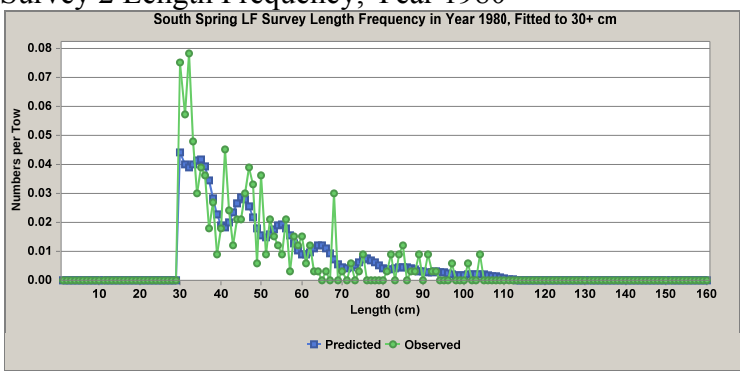
Survey 1 Length Frequency, Year 2008



Survey 1 Length Frequency, Year 2009



Survey 2 Length Frequency, Year 1980



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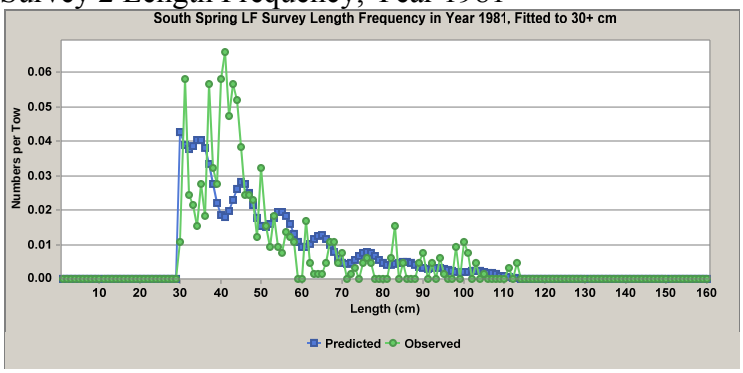

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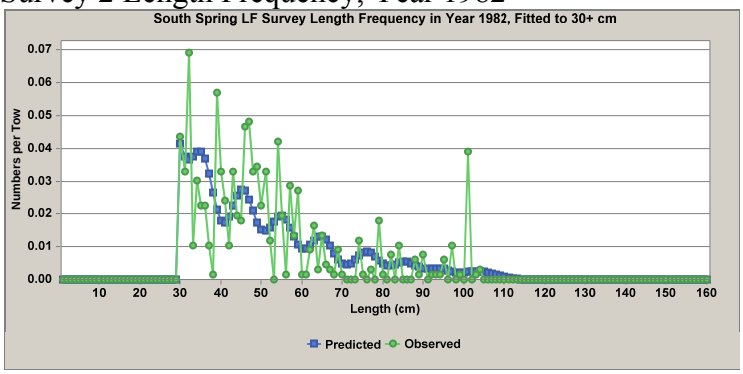

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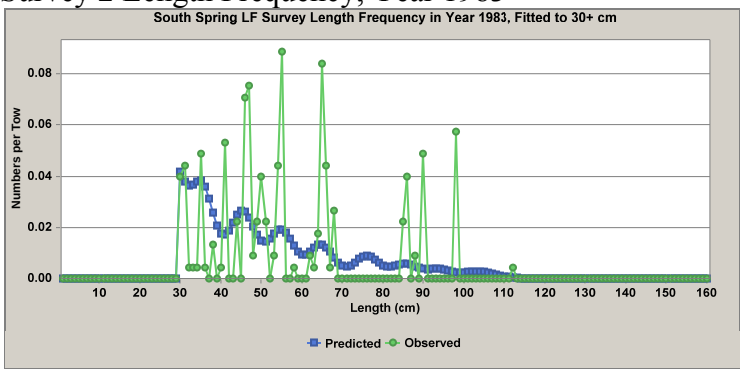
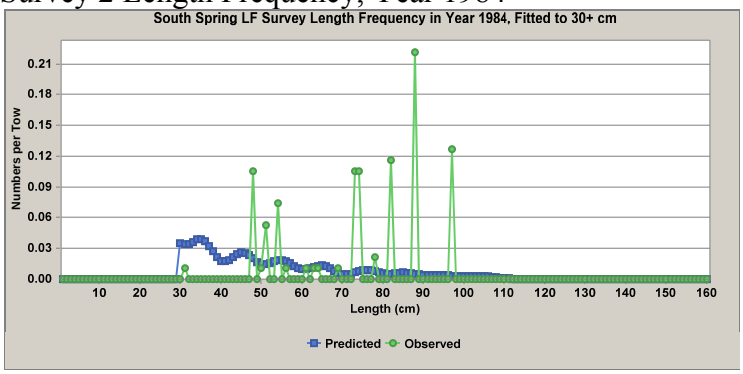


Survey 2 Length Frequency, Year 1984



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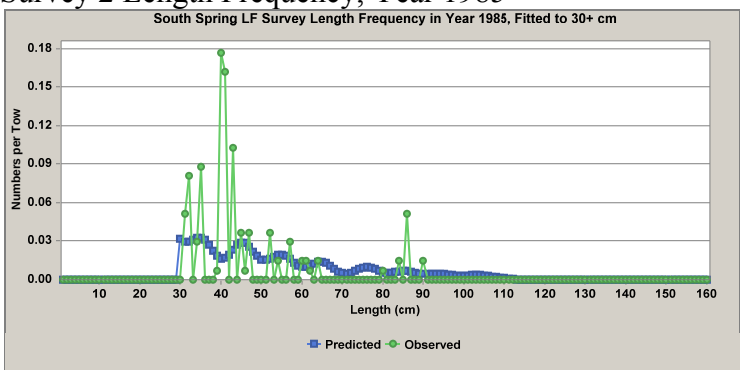

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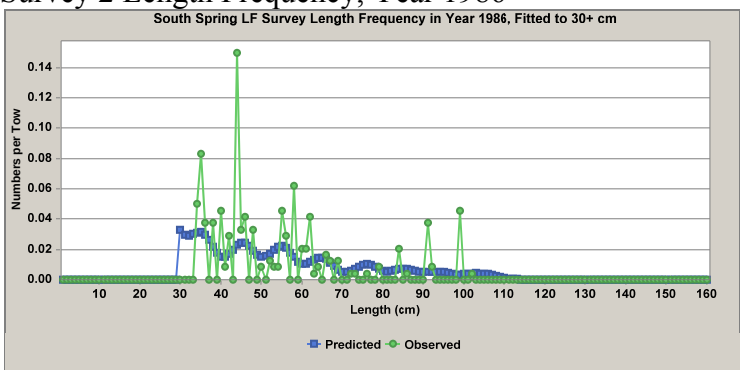
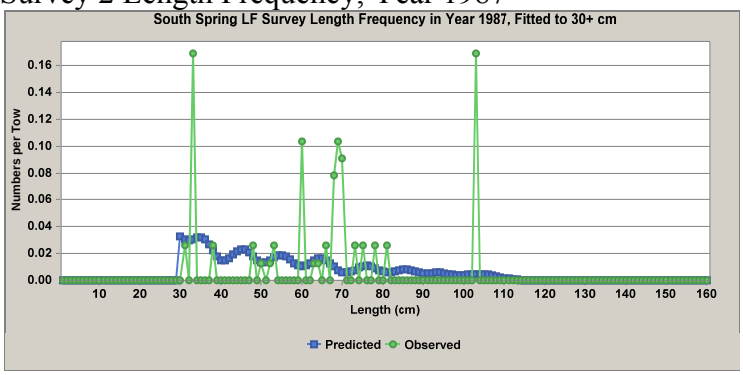
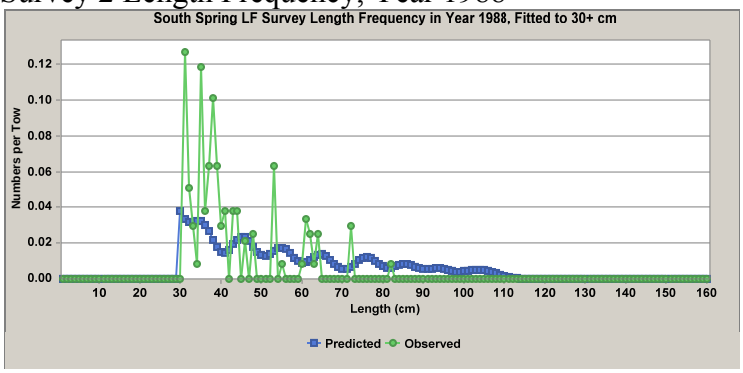


Survey 2 Length Frequency, Year 1987



Survey 2 Length Frequency, Year 1988



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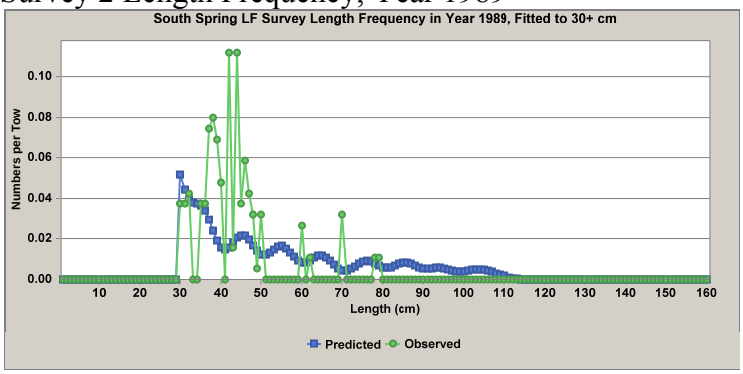

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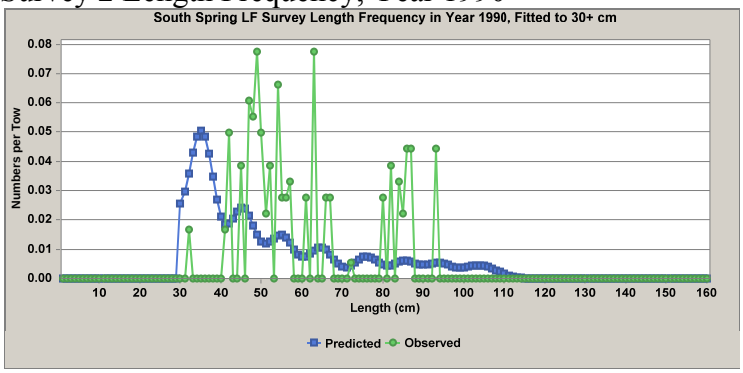

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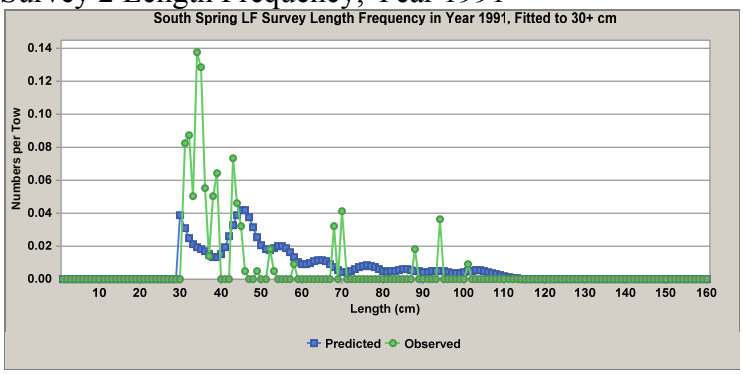

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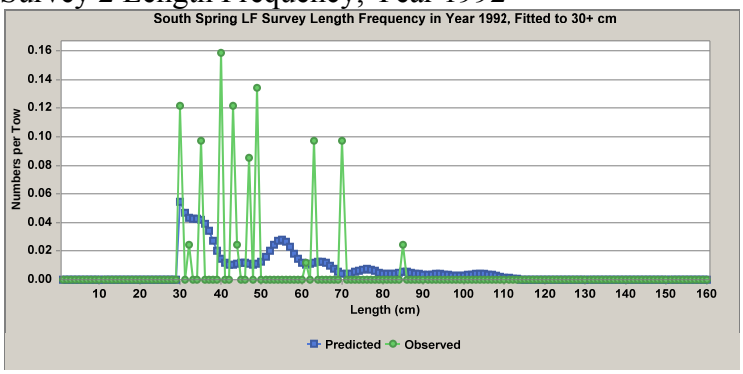

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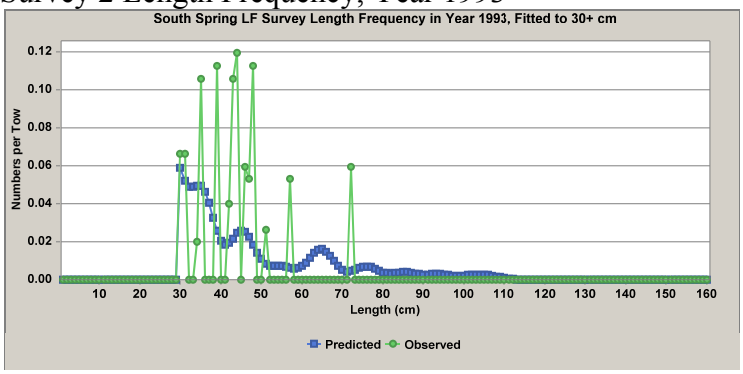

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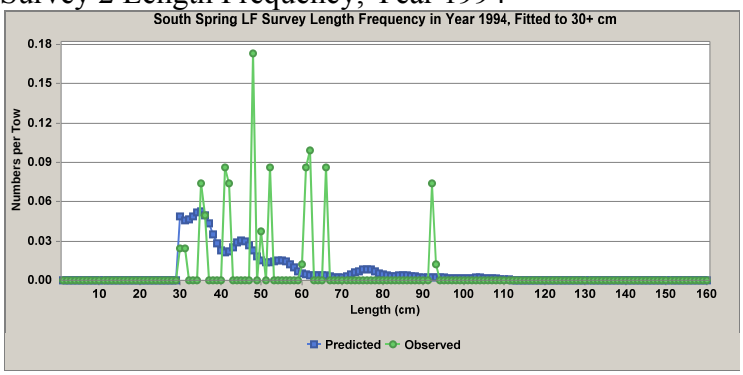

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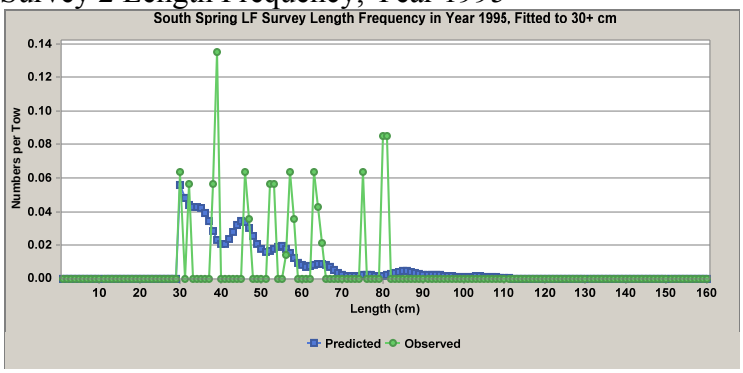

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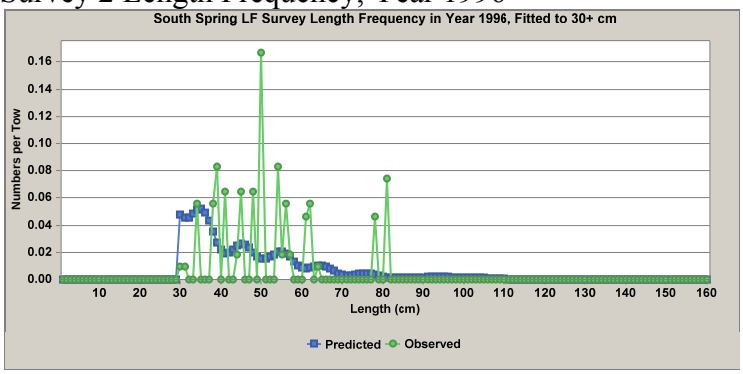

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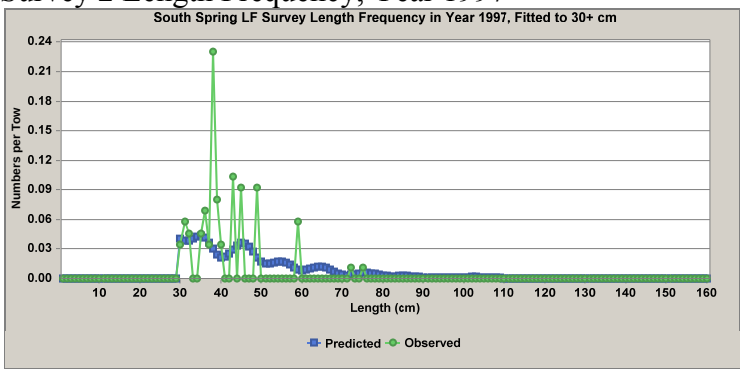

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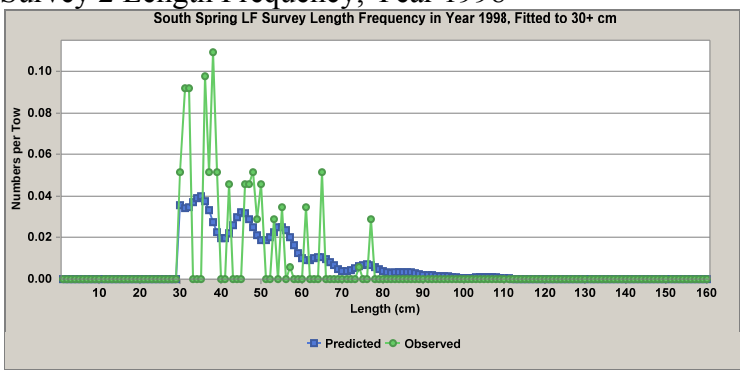

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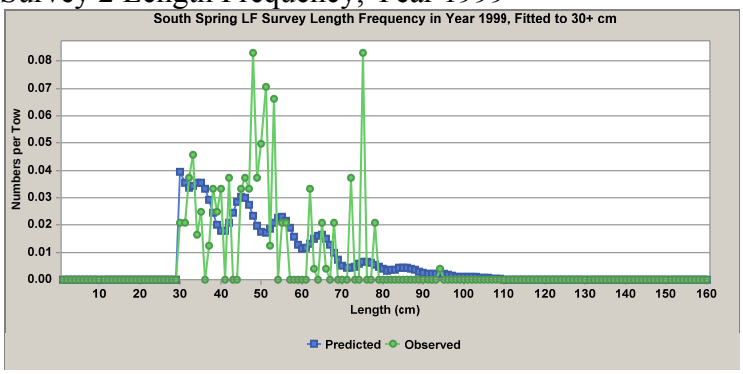

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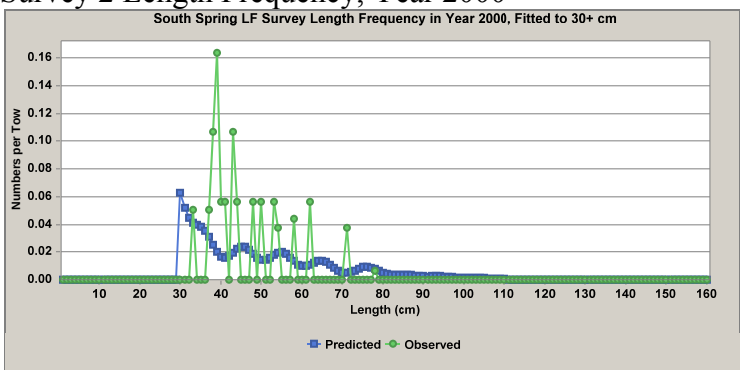

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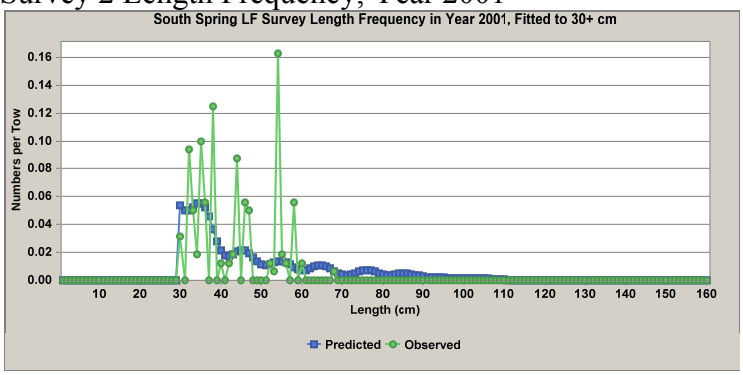
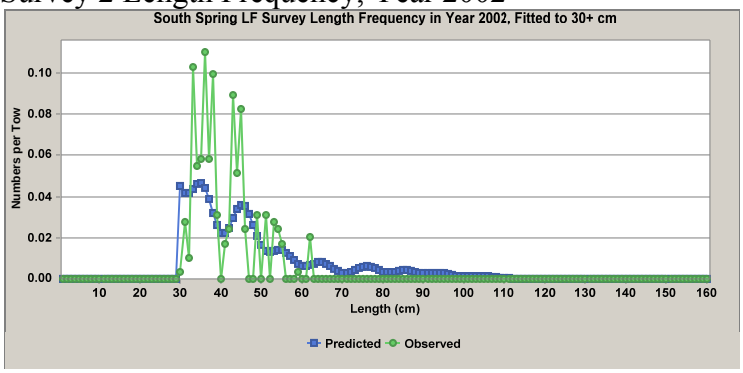
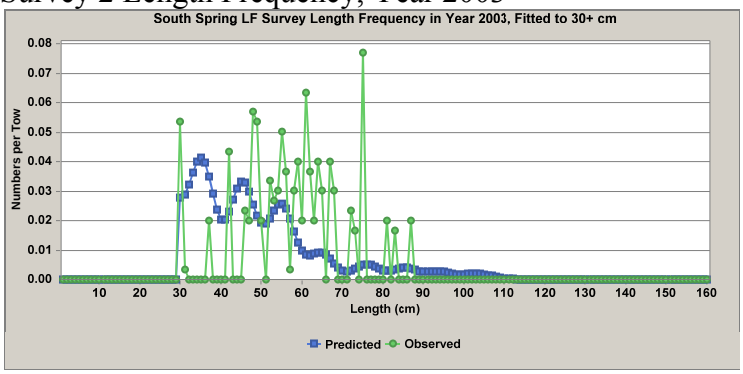


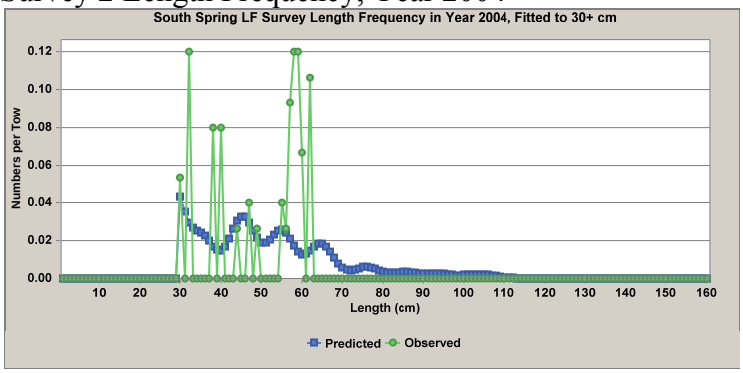
Survey 2 Length Frequency, Year 2002



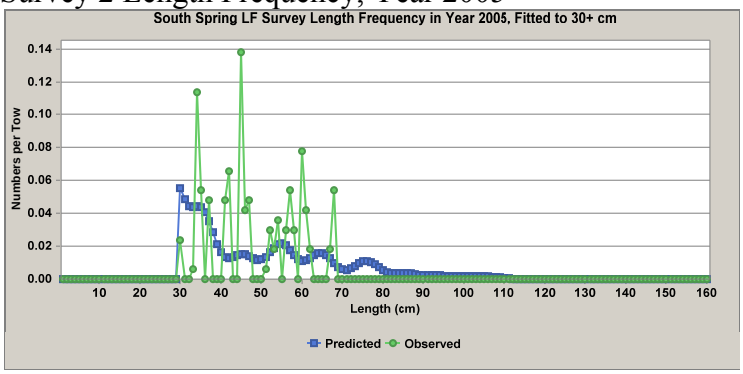
Survey 2 Length Frequency, Year 2003



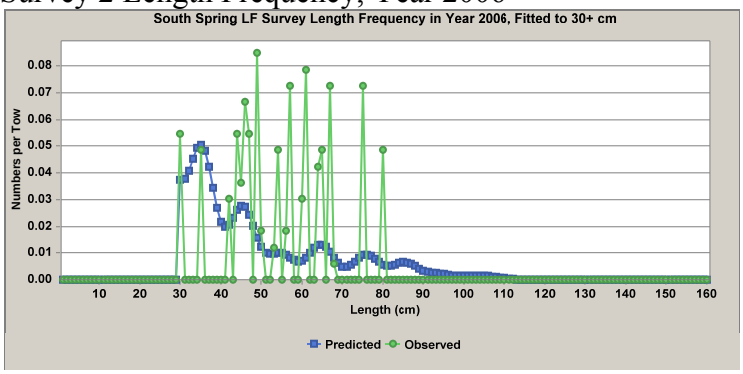
Survey 2 Length Frequency, Year 2004



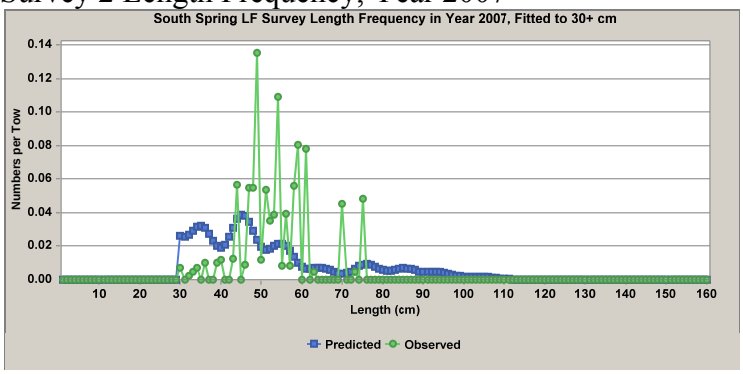
Survey 2 Length Frequency, Year 2005



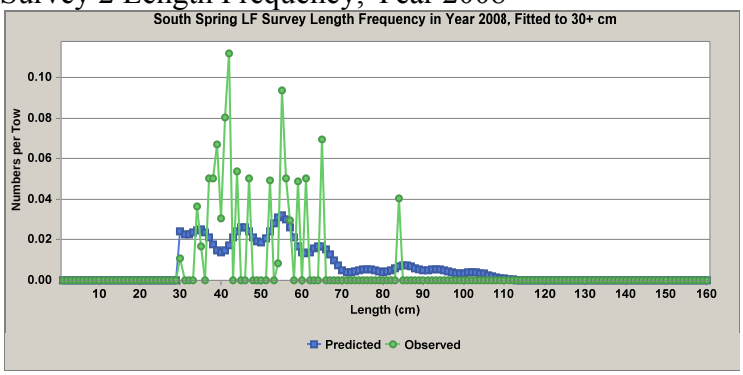
Survey 2 Length Frequency, Year 2006



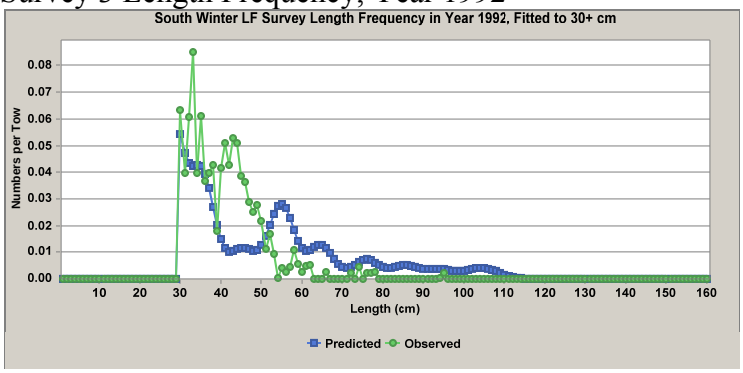
Survey 2 Length Frequency, Year 2007



Survey 2 Length Frequency, Year 2008



Survey 3 Length Frequency, Year 1992



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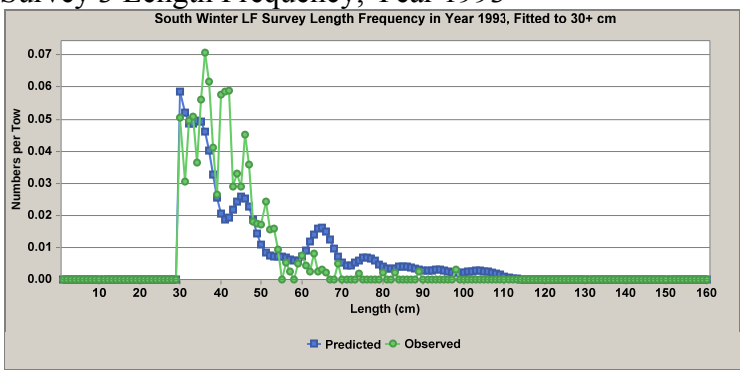

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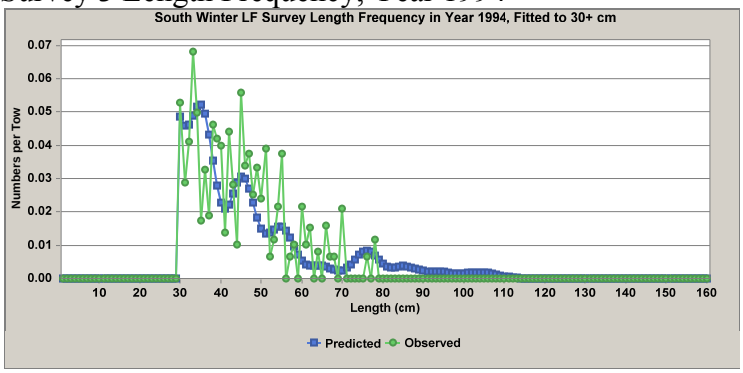

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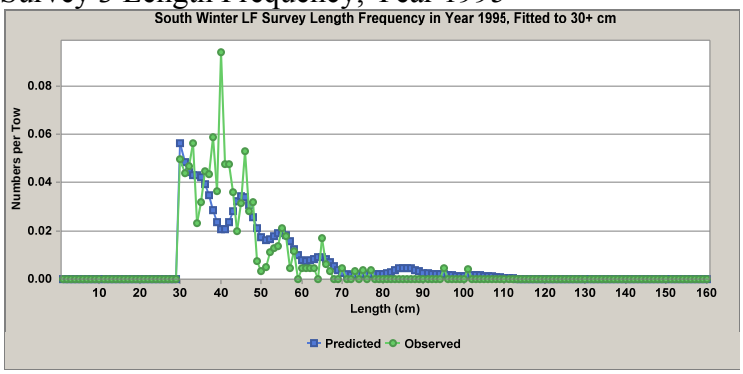

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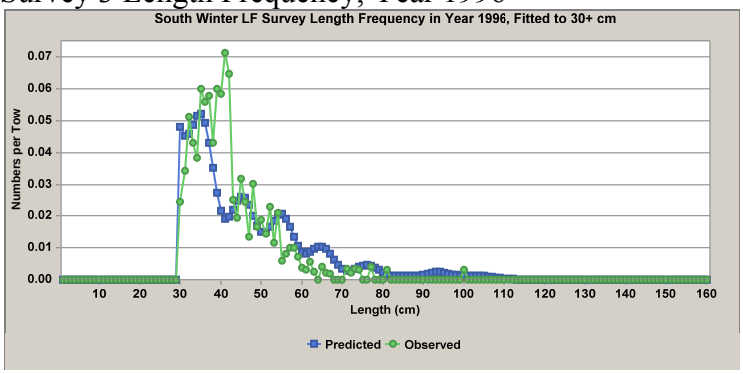

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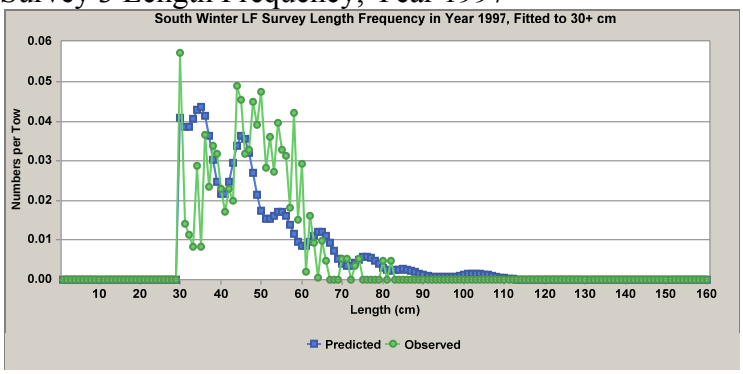

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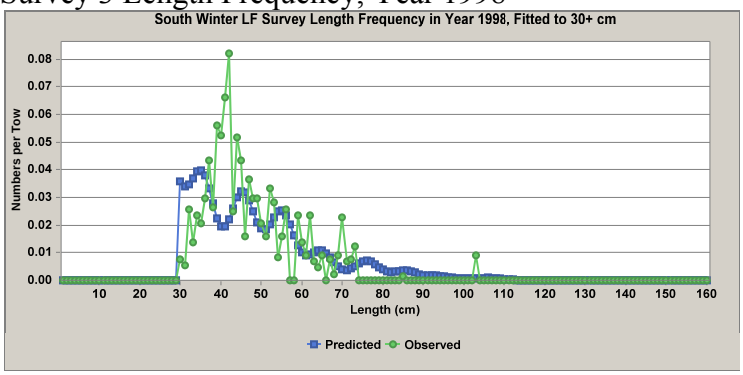

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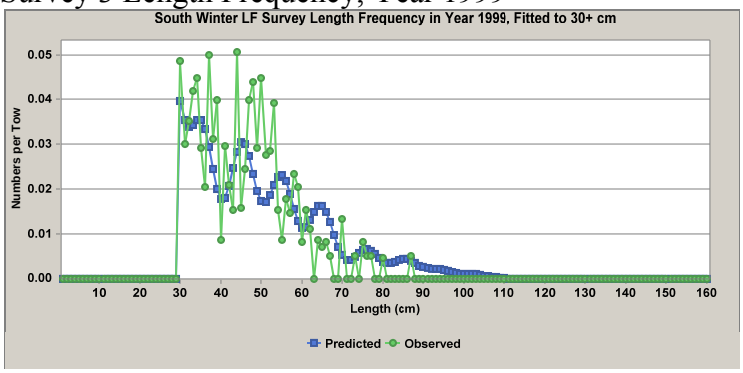

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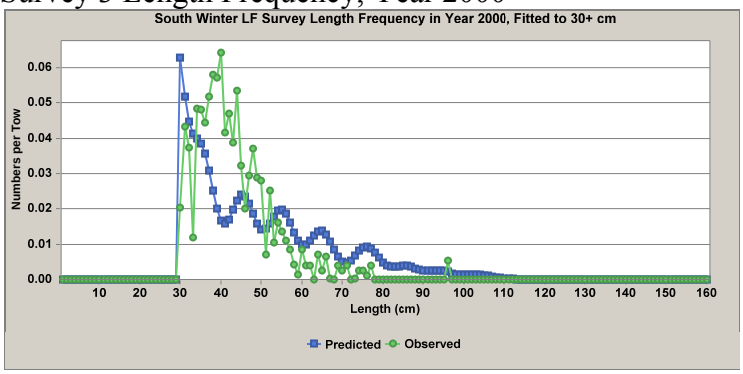

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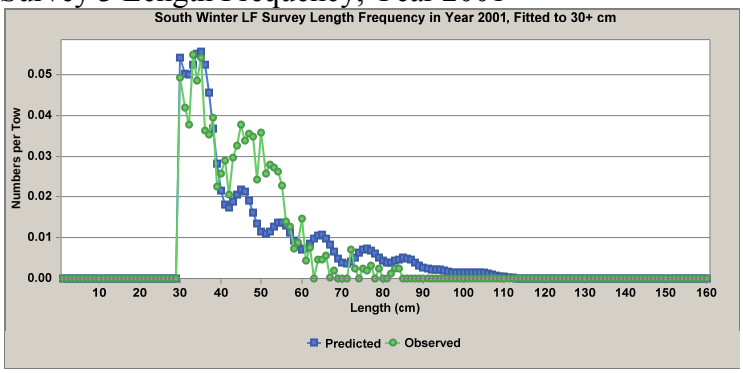

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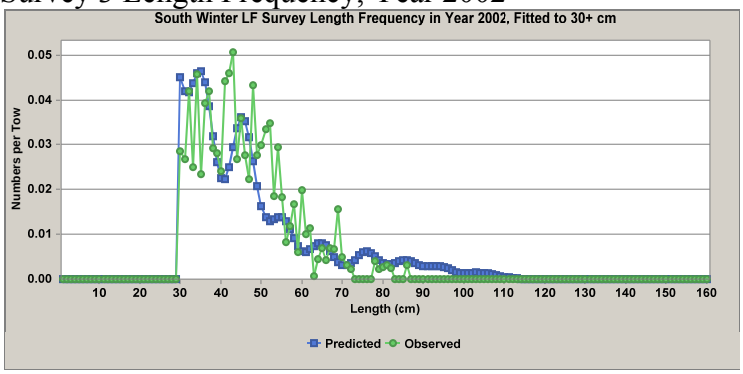

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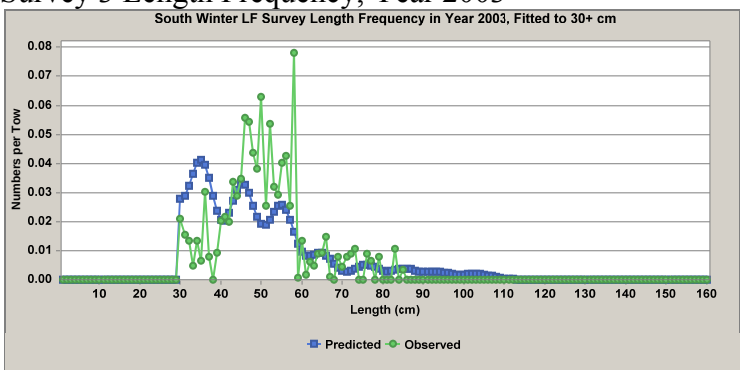

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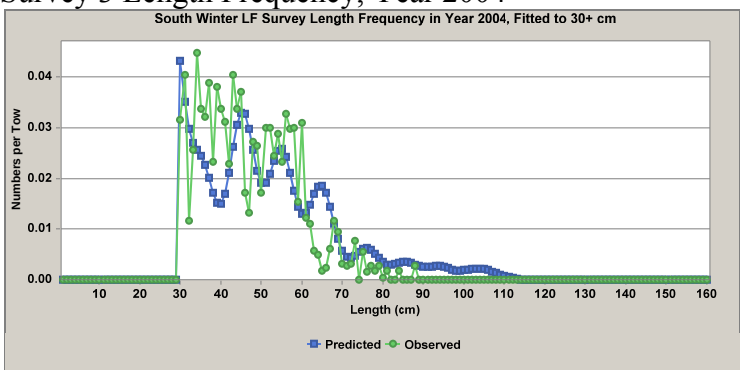

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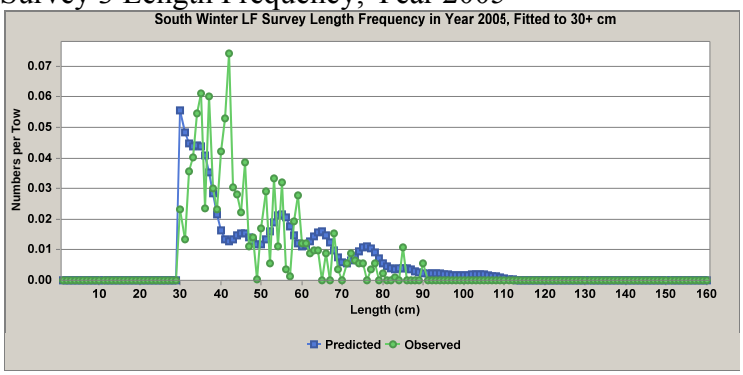

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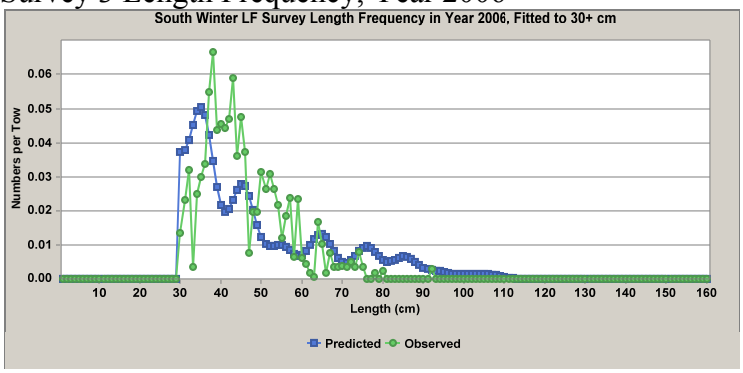
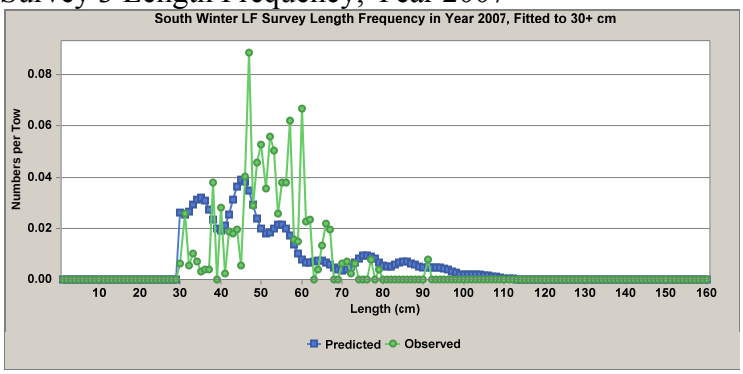
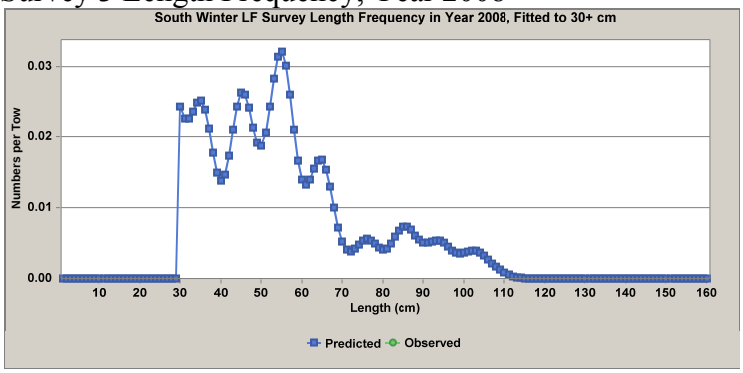


Survey 3 Length Frequency, Year 2007



Survey 3 Length Frequency, Year 2008



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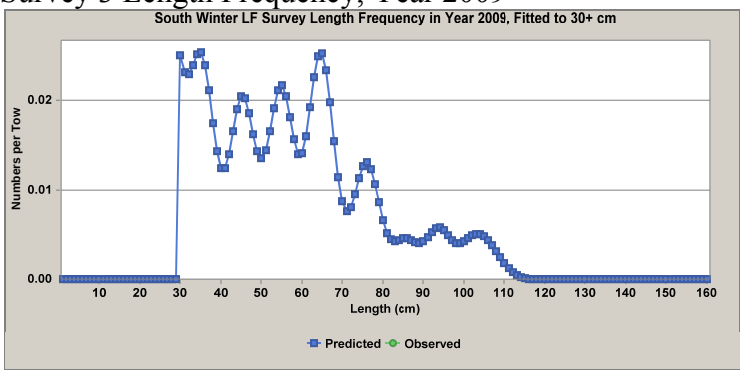

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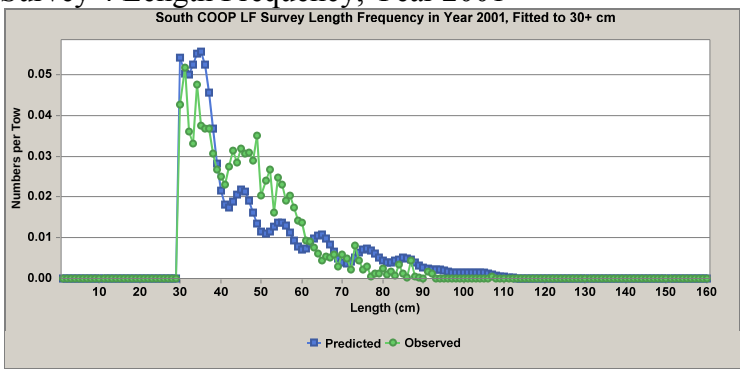

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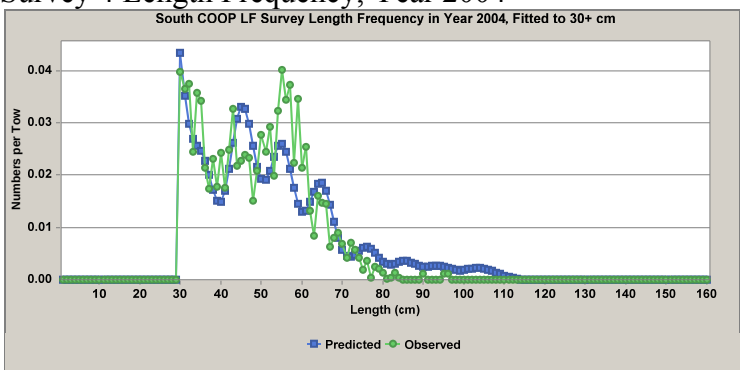

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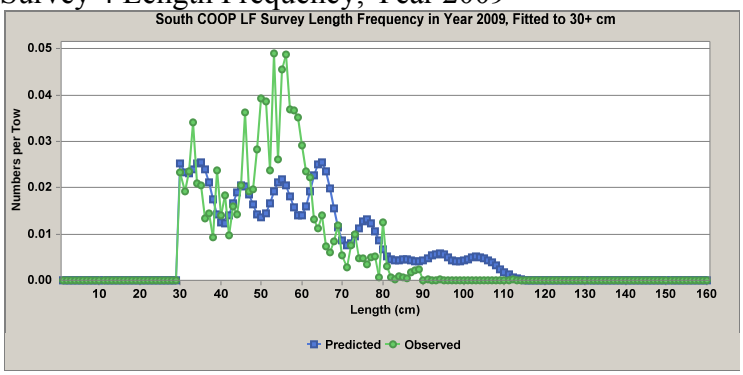
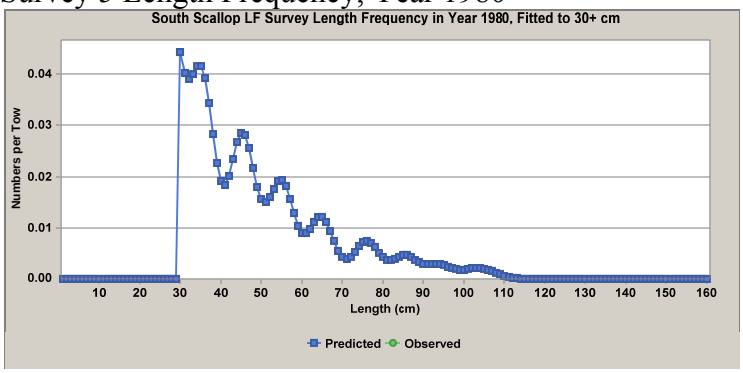
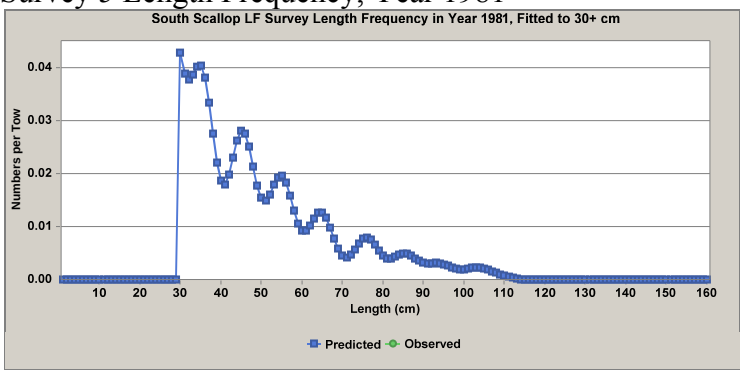


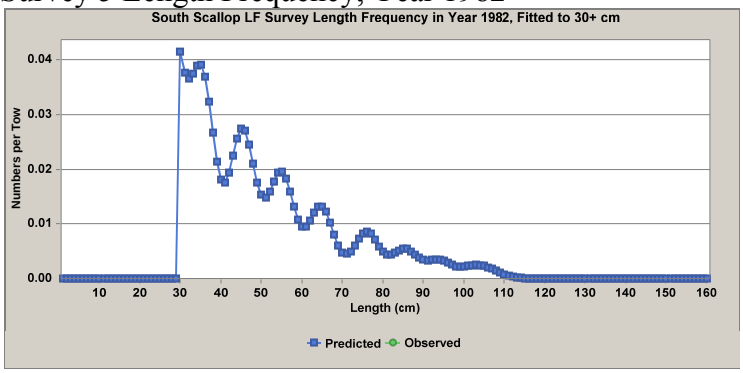
Survey 5 Length Frequency, Year 1980



Survey 5 Length Frequency, Year 1981



Survey 5 Length Frequency, Year 1982



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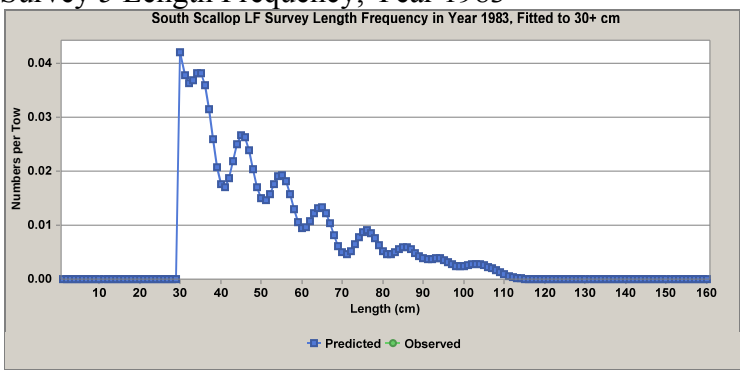

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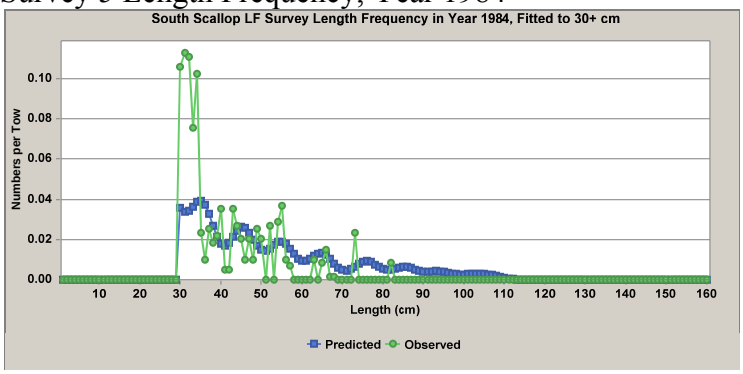

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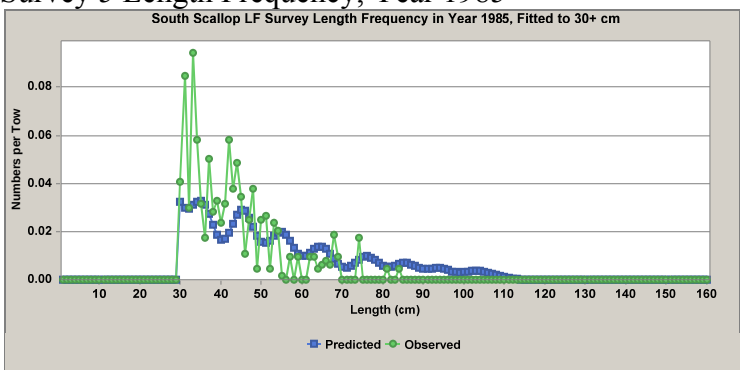

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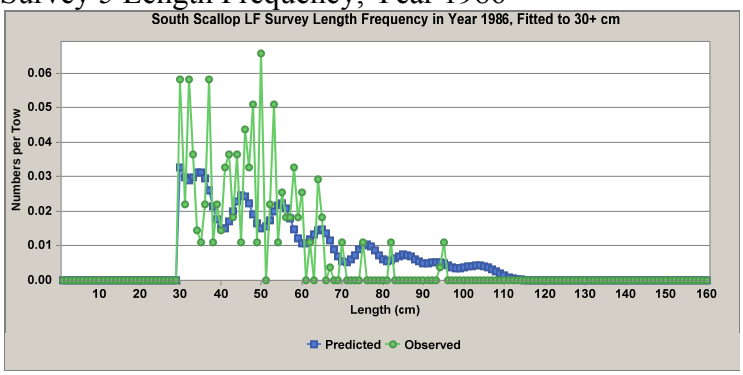
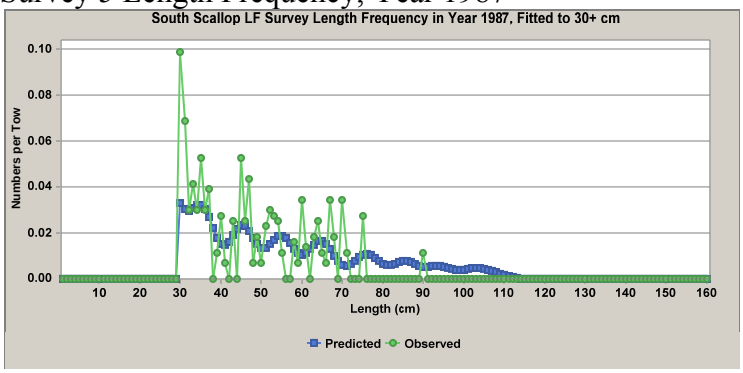


Survey 5 Length Frequency, Year 1987



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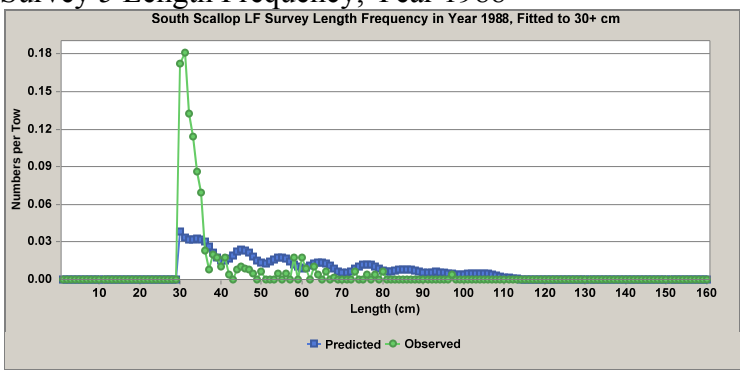

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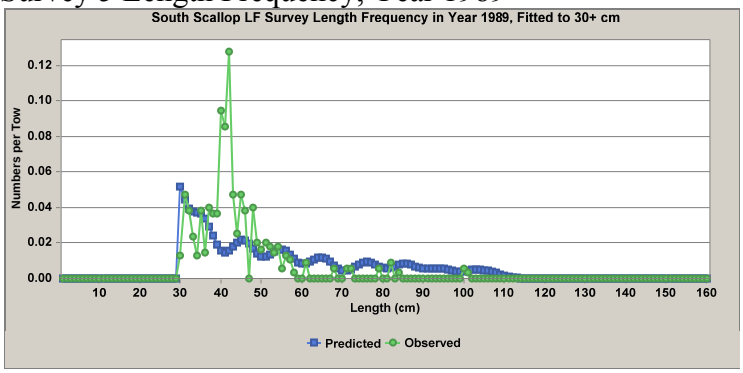

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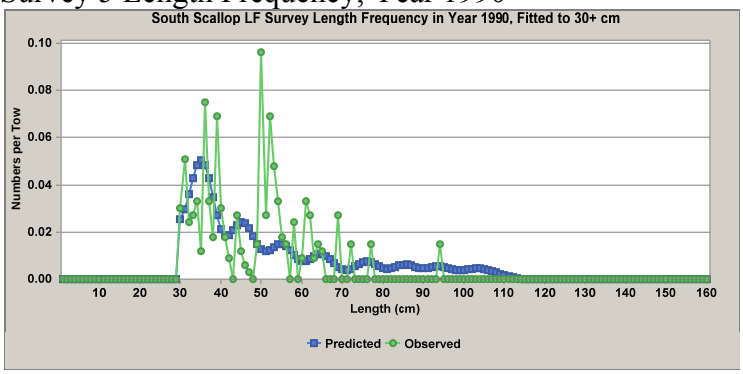

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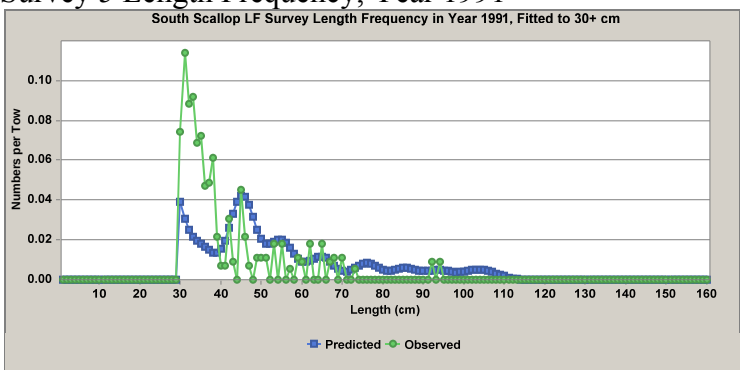

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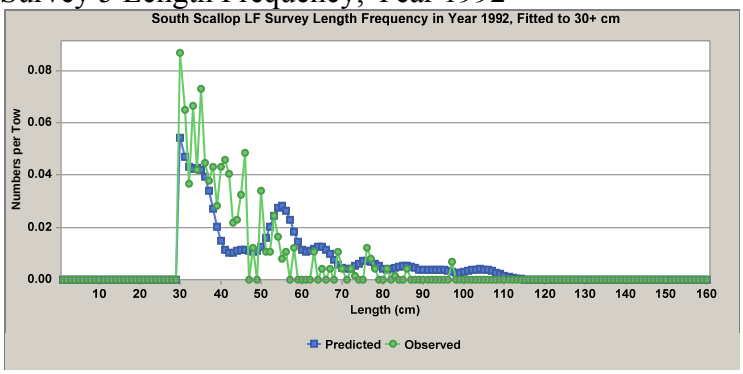

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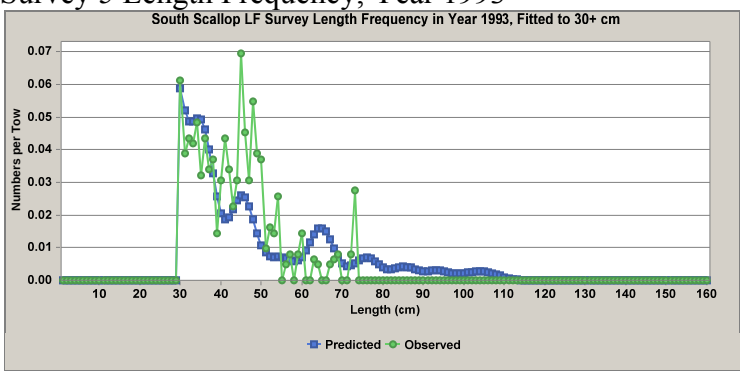

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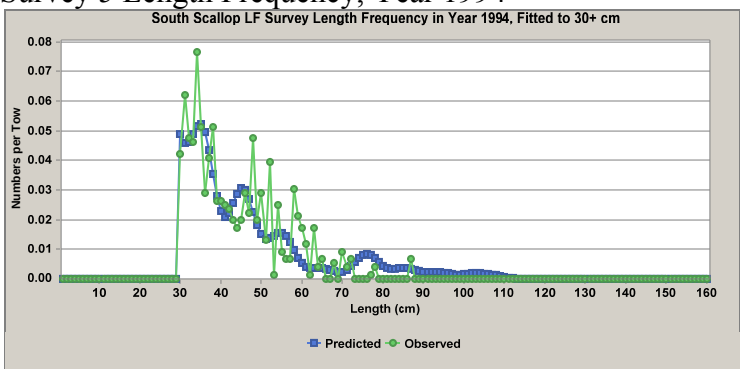

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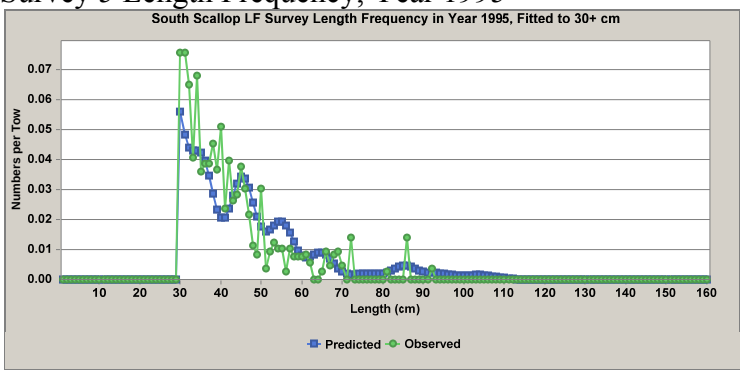

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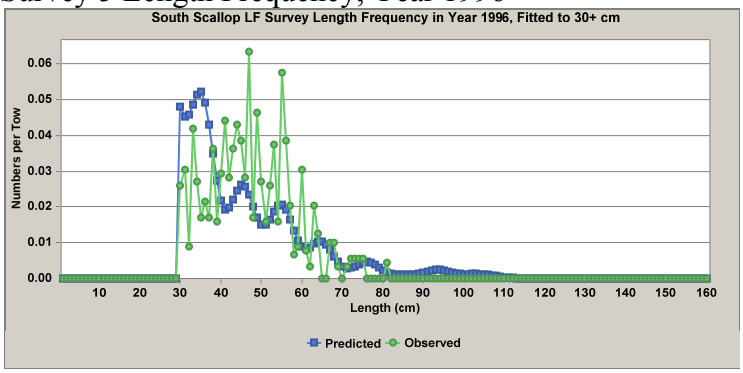

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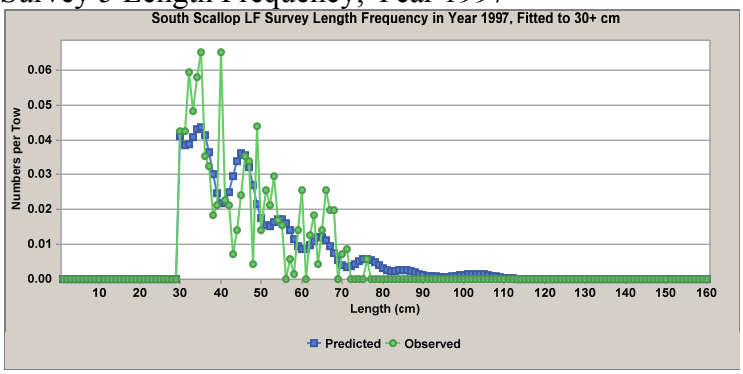

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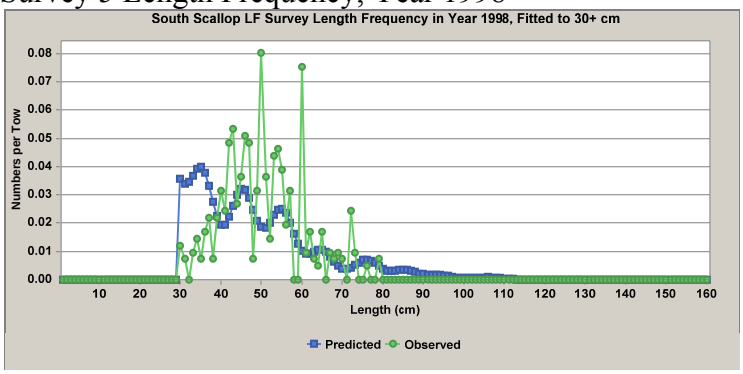

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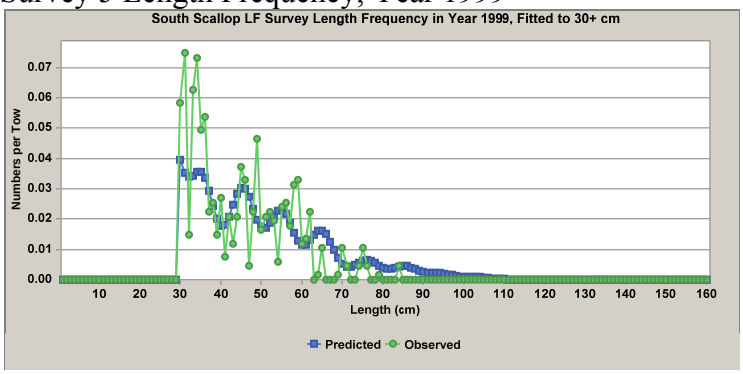

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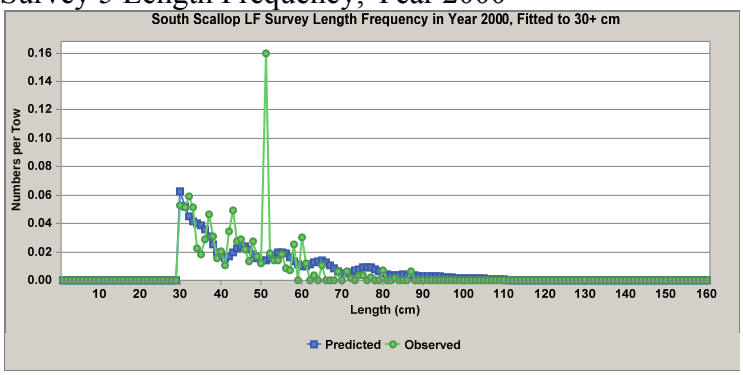

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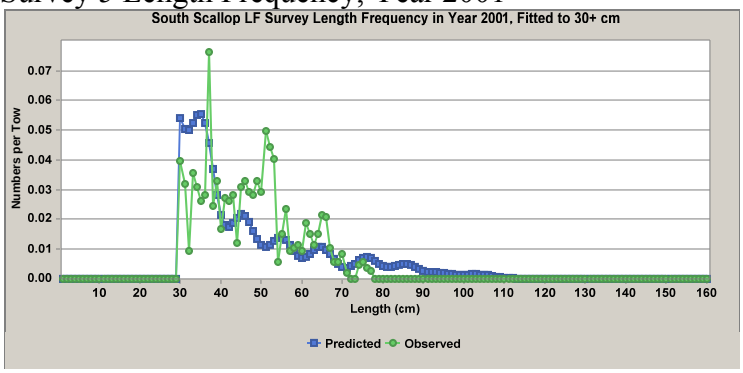

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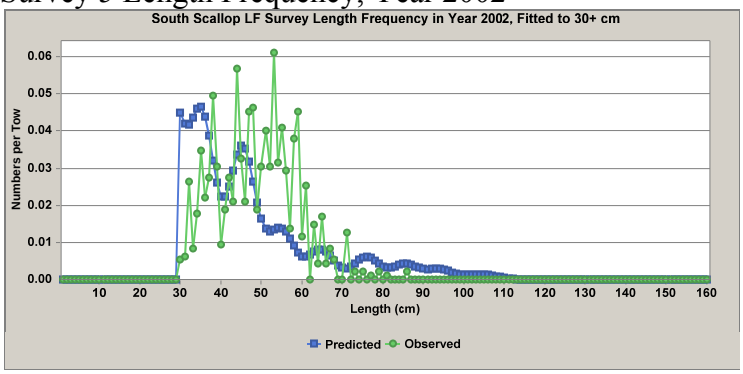

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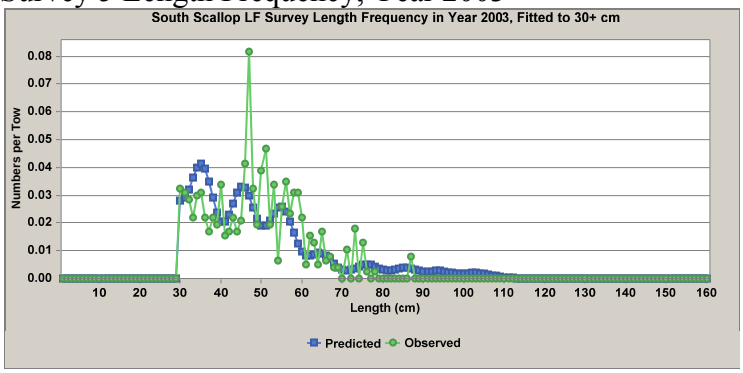

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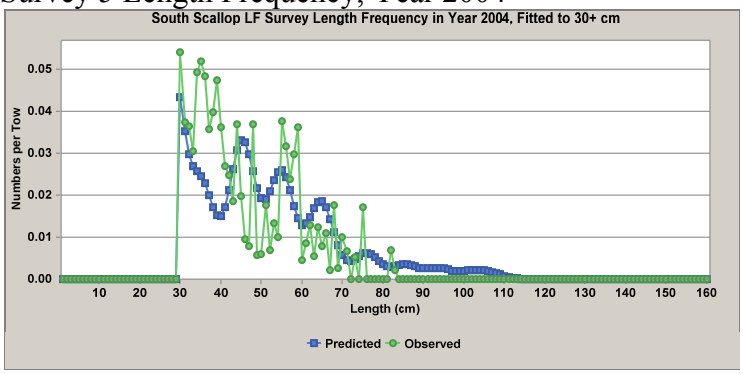

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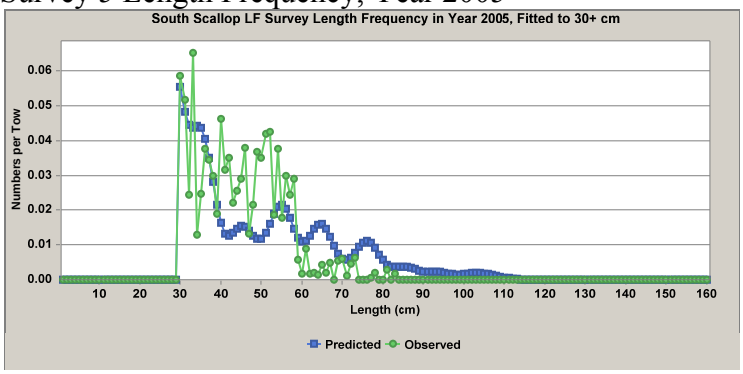

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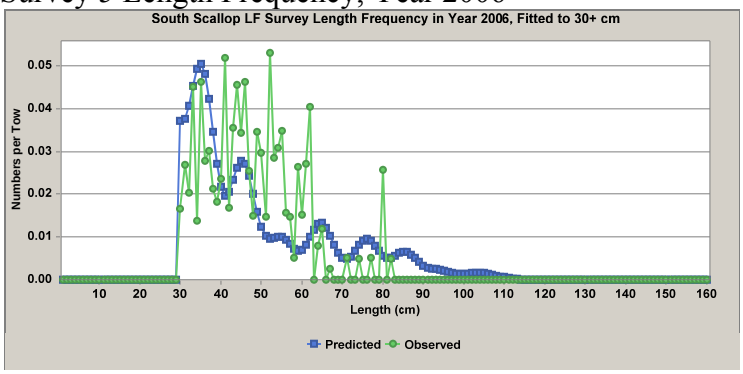

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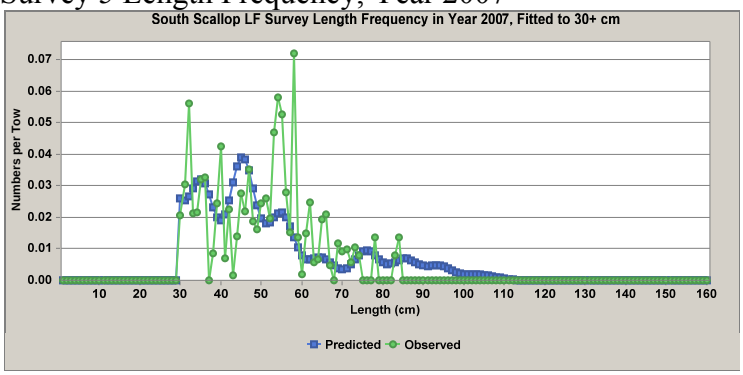
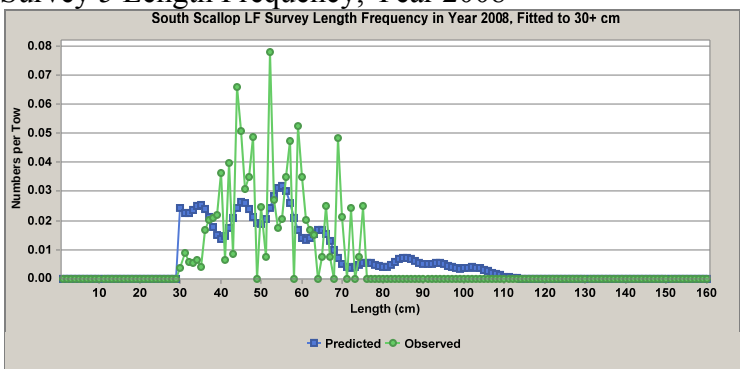


Survey 5 Length Frequency, Year 2008



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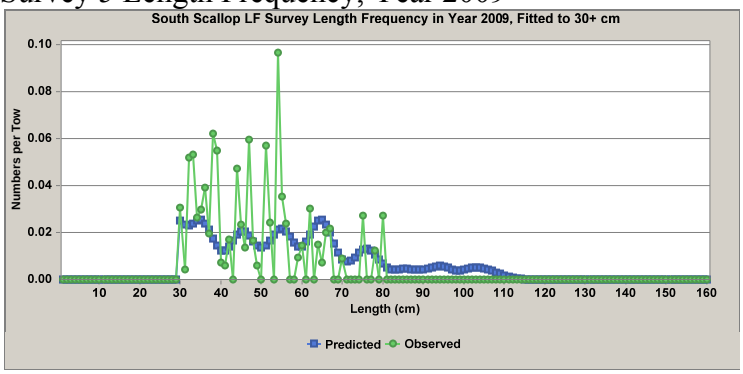
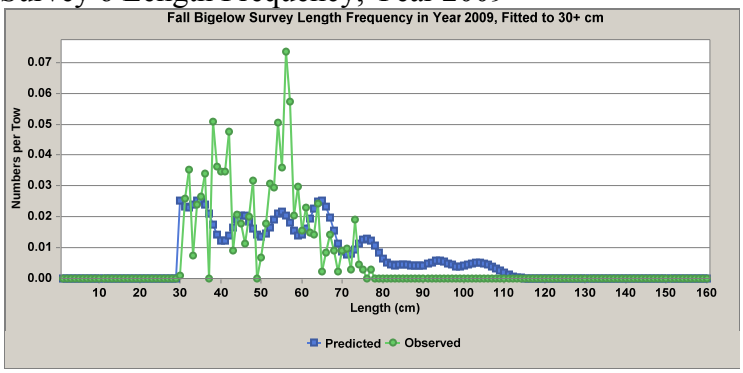
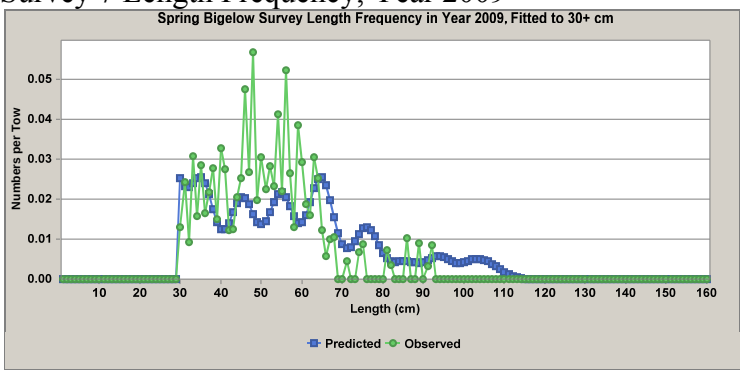


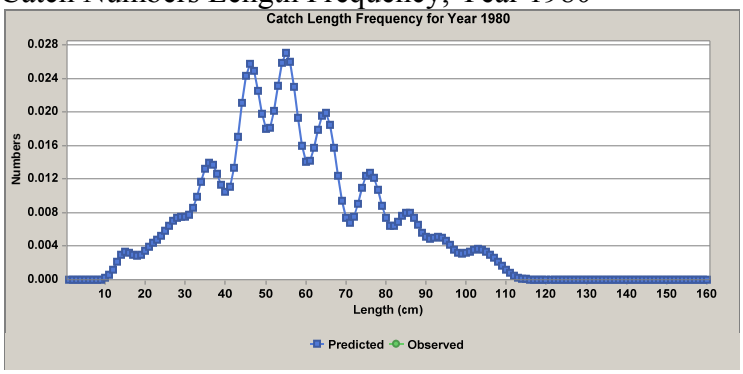
Survey 6 Length Frequency, Year 2009



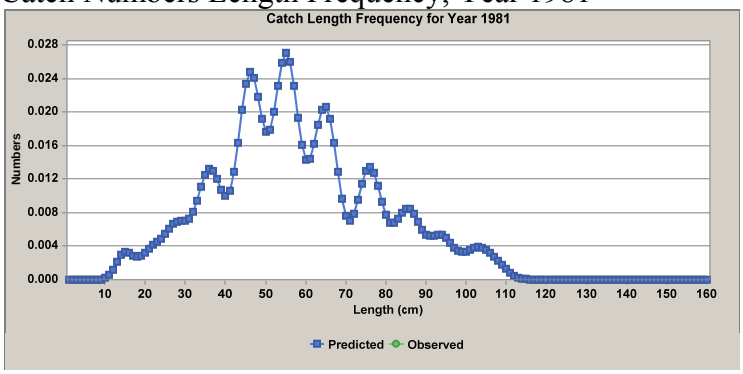
Survey 7 Length Frequency, Year 2009



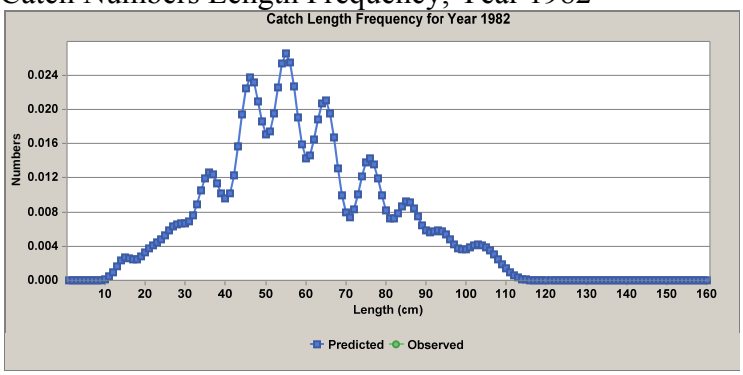
Catch Numbers Length Frequency, Year 1980



Catch Numbers Length Frequency, Year 1981



Catch Numbers Length Frequency, Year 1982



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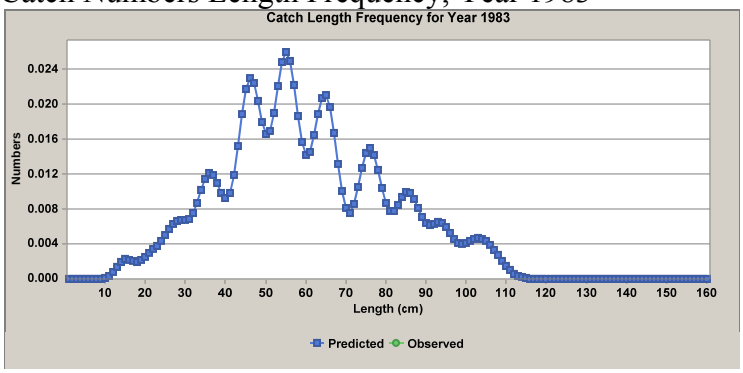
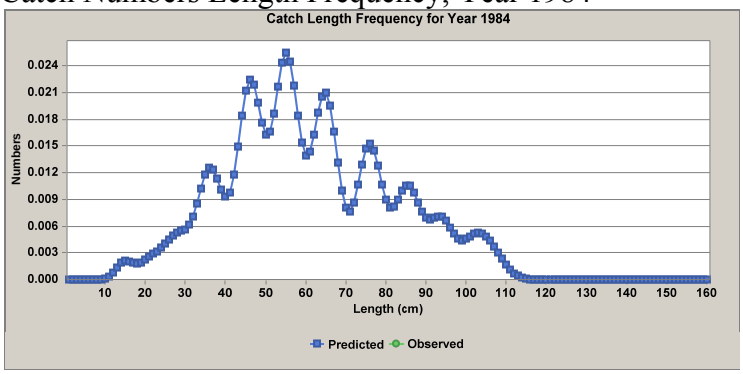
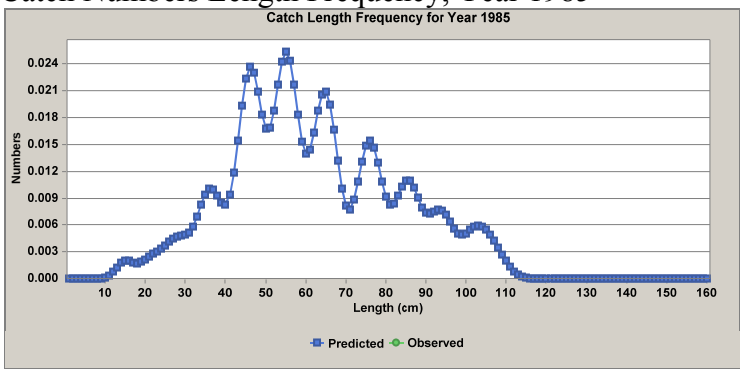


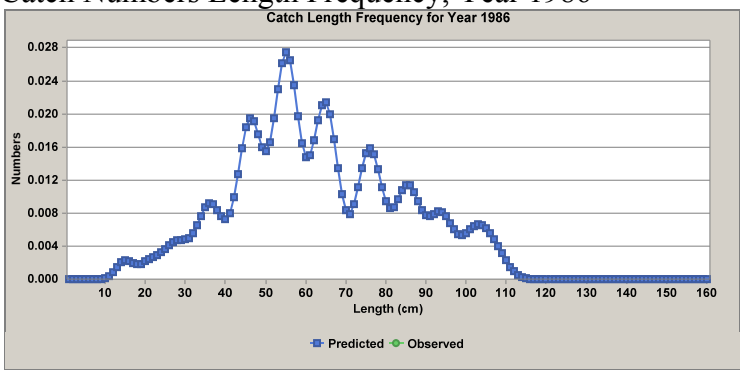
Catch Numbers Length Frequency, Year 1984



Catch Numbers Length Frequency, Year 1985



Catch Numbers Length Frequency, Year 1986



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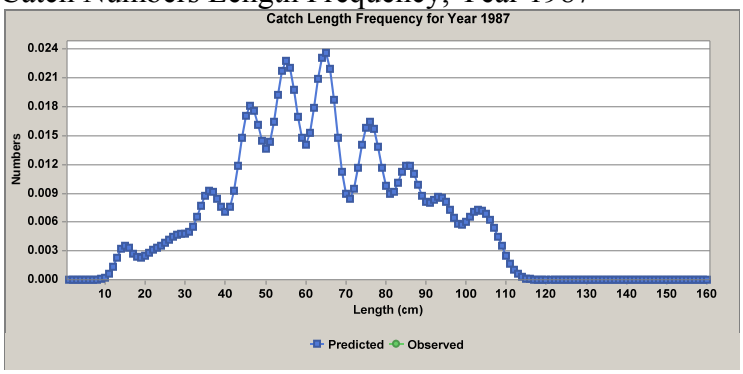
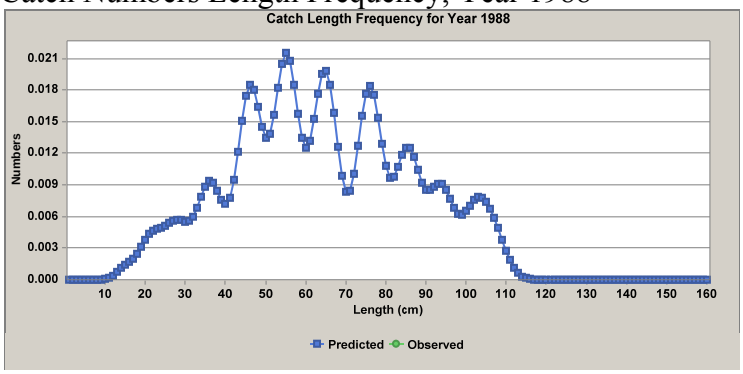


Catch Numbers Length Frequency, Year 1988



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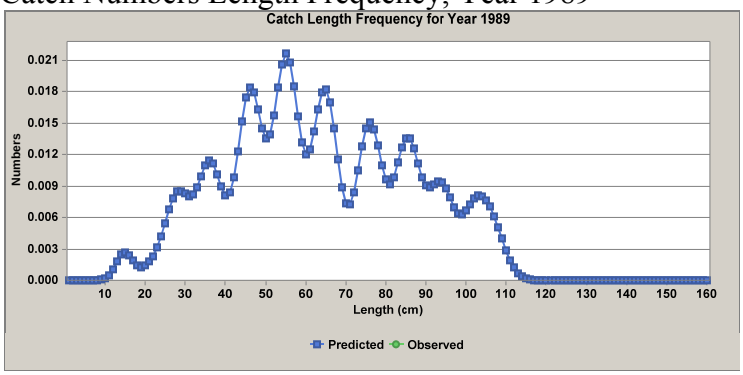
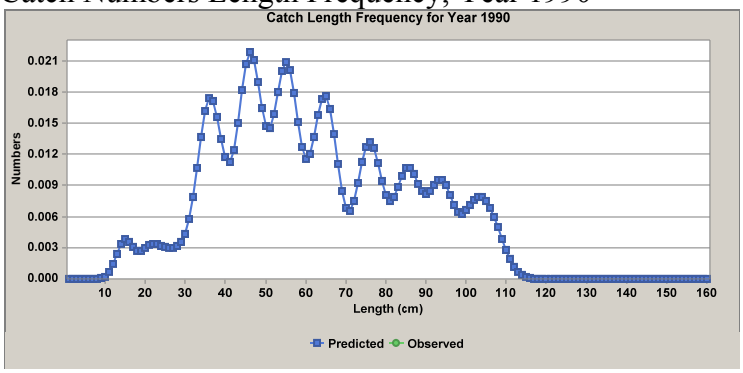
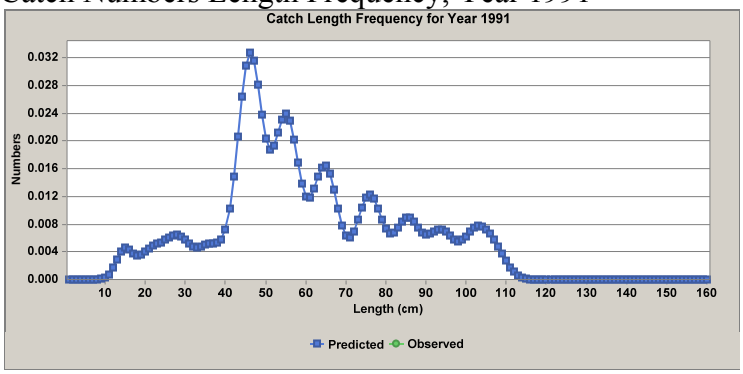


Catch Numbers Length Frequency, Year 1990



Catch Numbers Length Frequency, Year 1991



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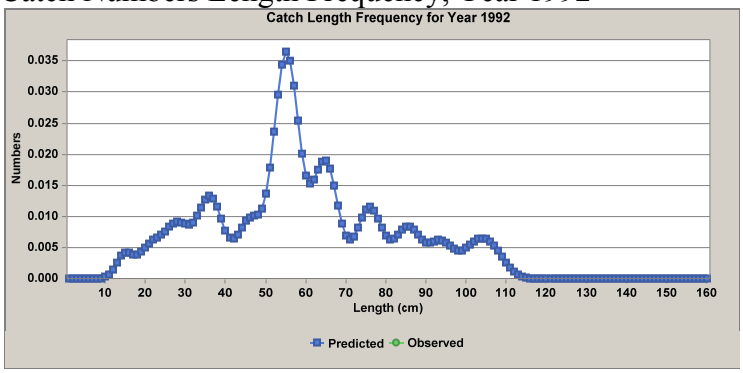

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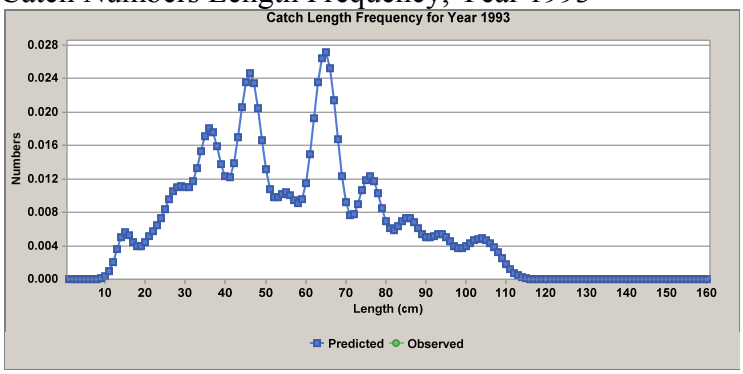

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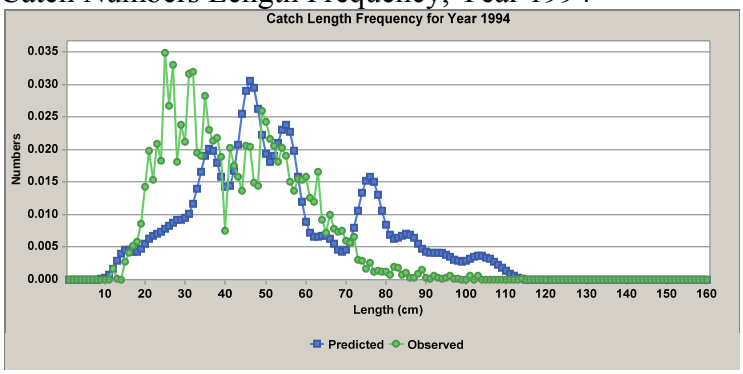

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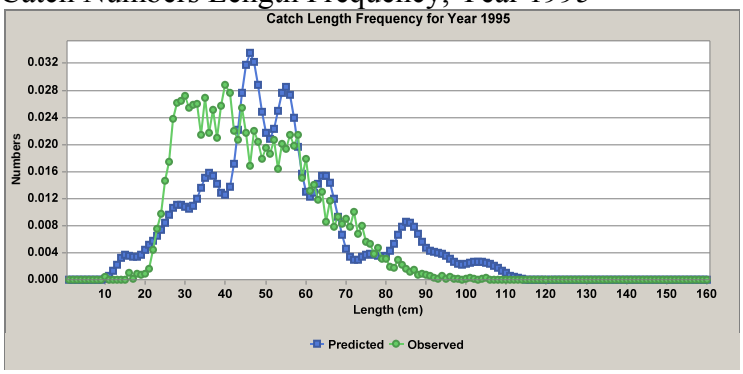

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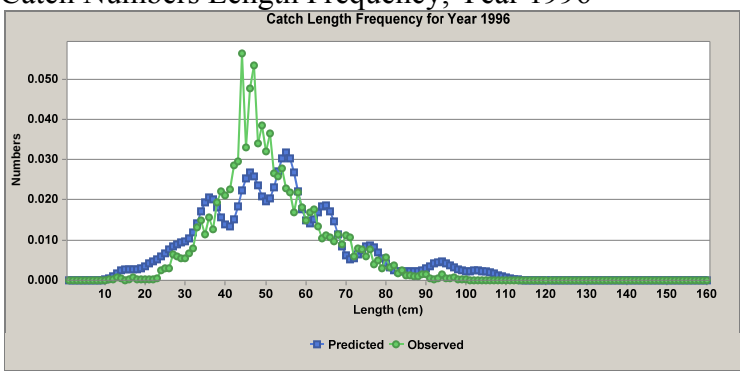

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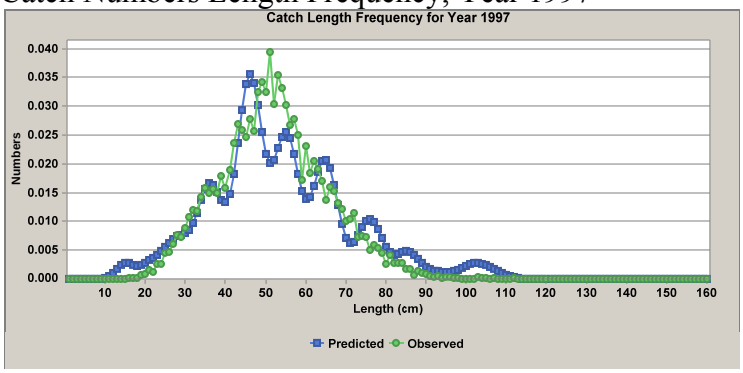

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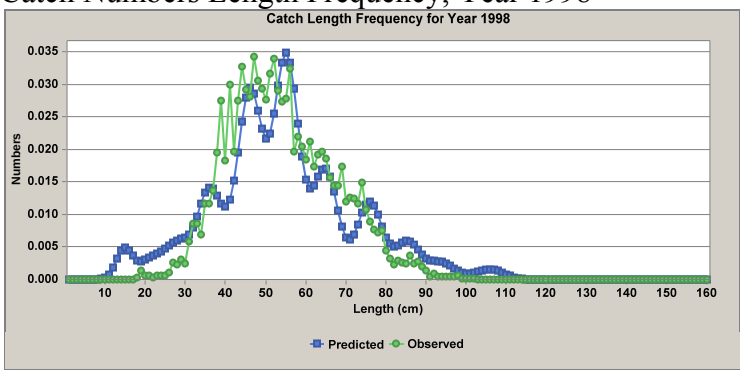

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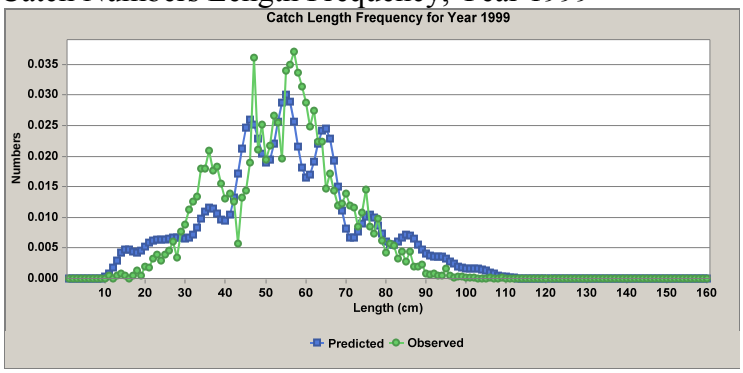

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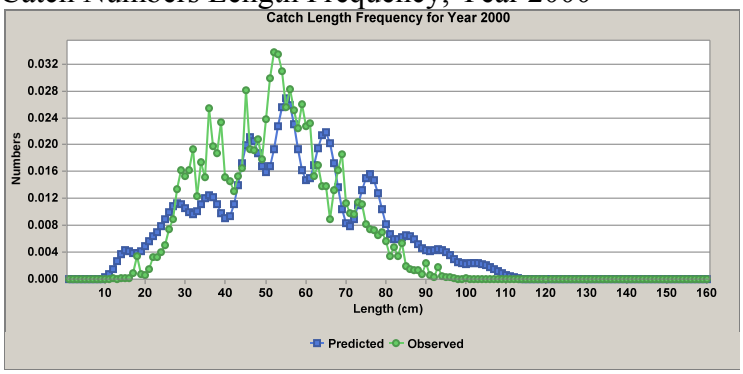

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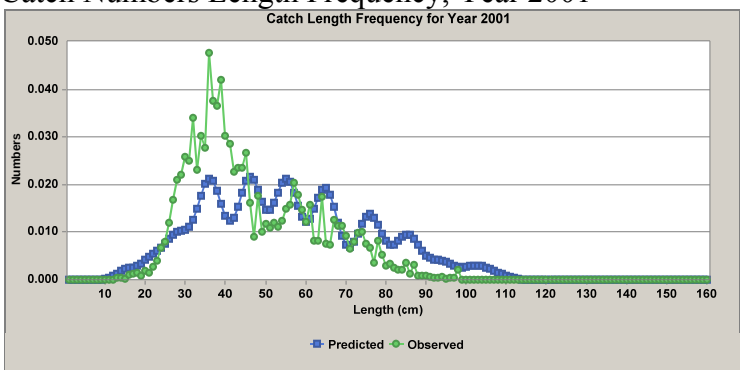

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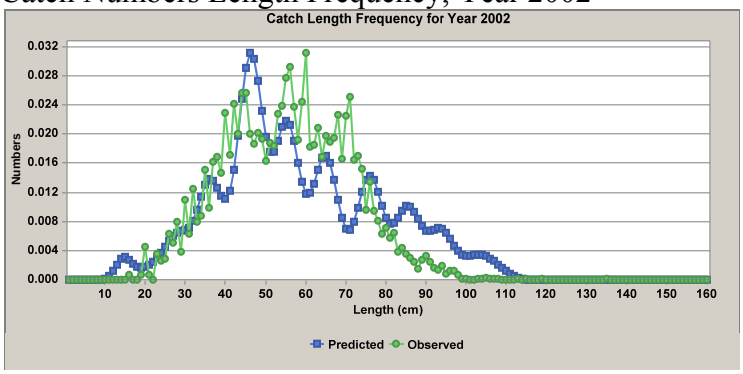
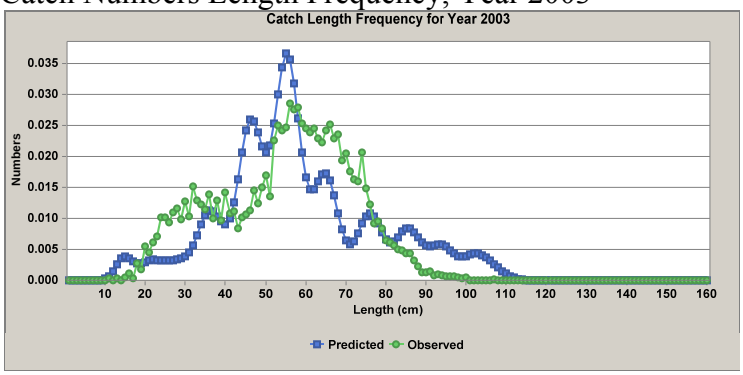
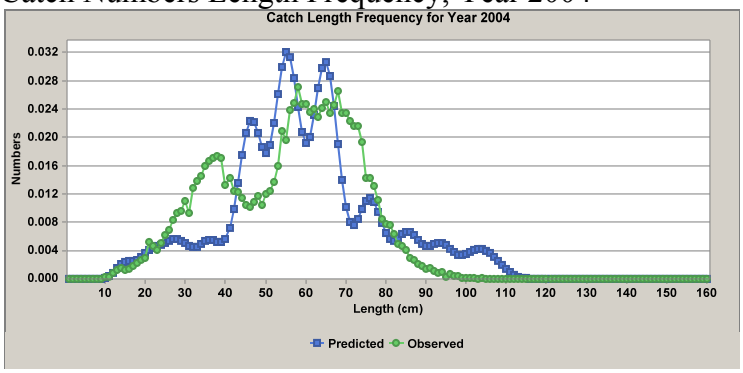


Catch Numbers Length Frequency, Year 2003



Catch Numbers Length Frequency, Year 2004



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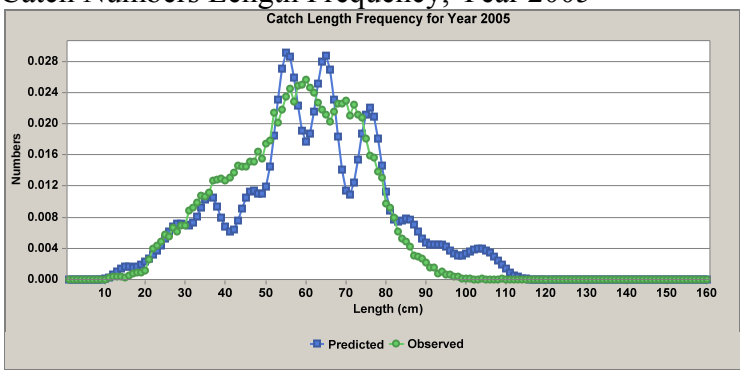

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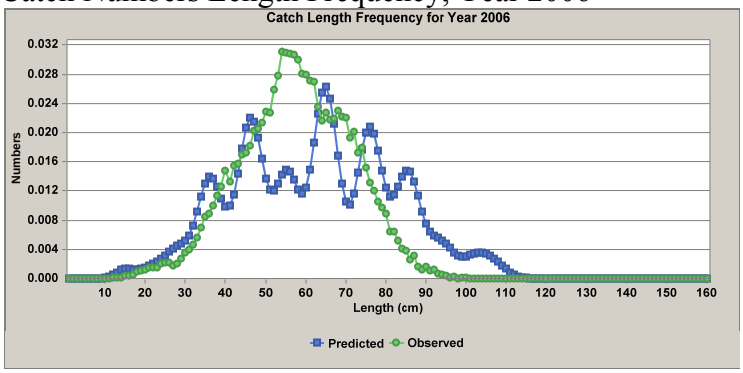
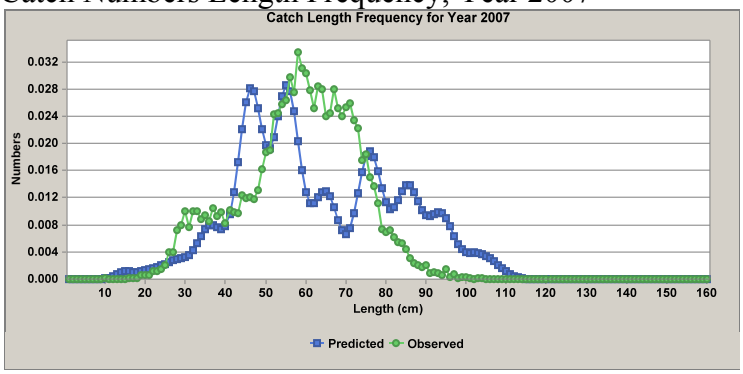
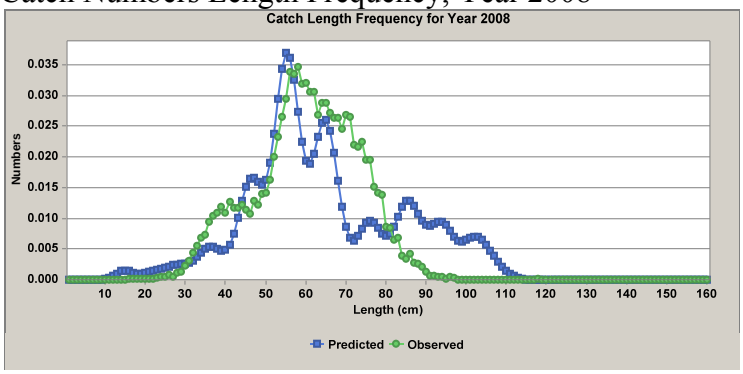


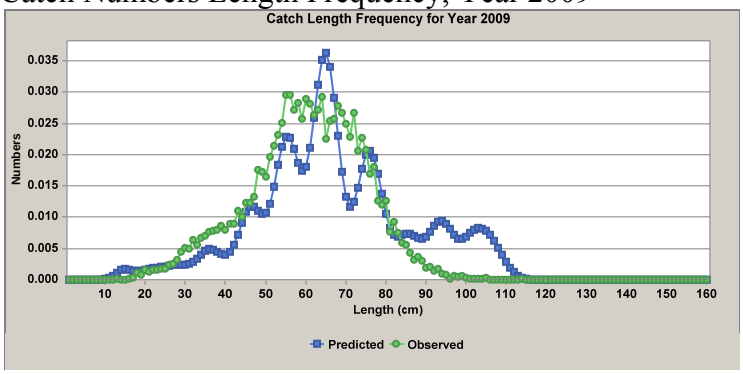
Catch Numbers Length Frequency, Year 2007



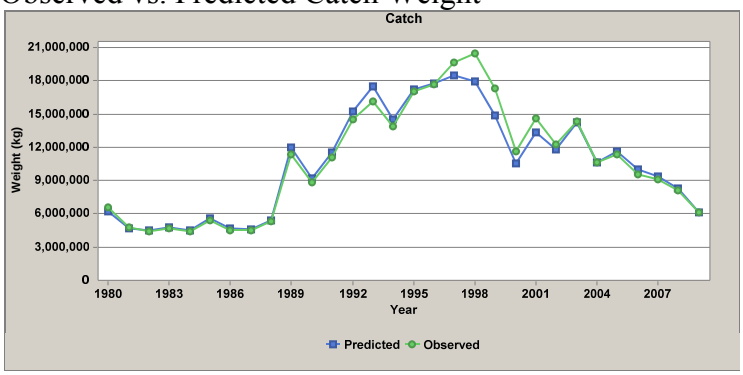
Catch Numbers Length Frequency, Year 2008



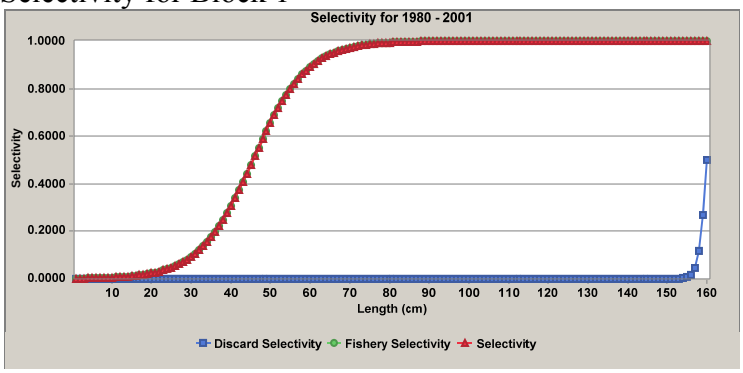
Catch Numbers Length Frequency, Year 2009



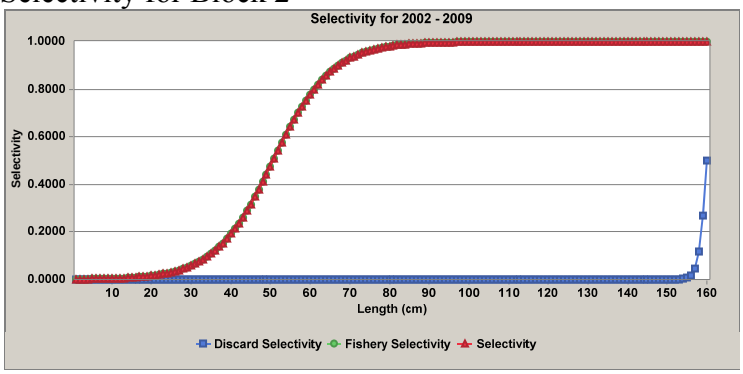
Observed vs. Predicted Catch Weight



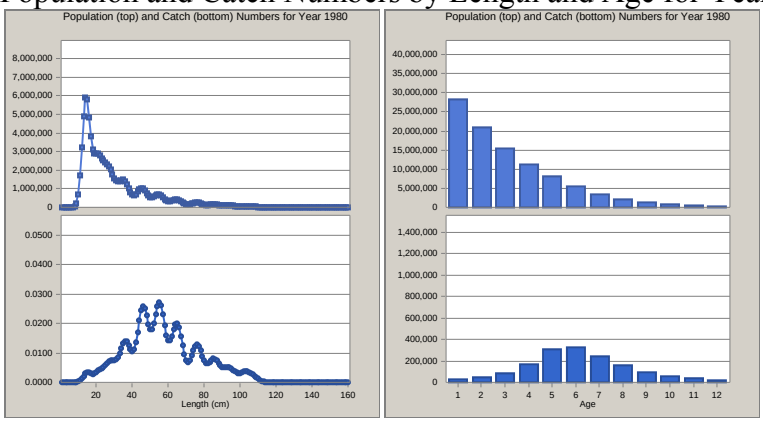
Selectivity for Block 1



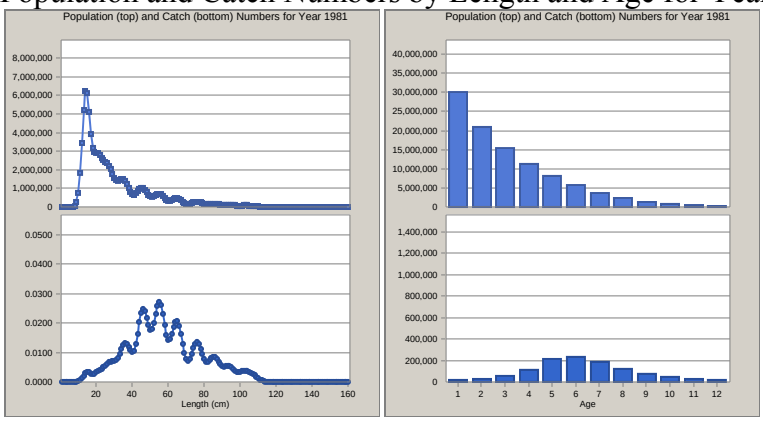
Selectivity for Block 2



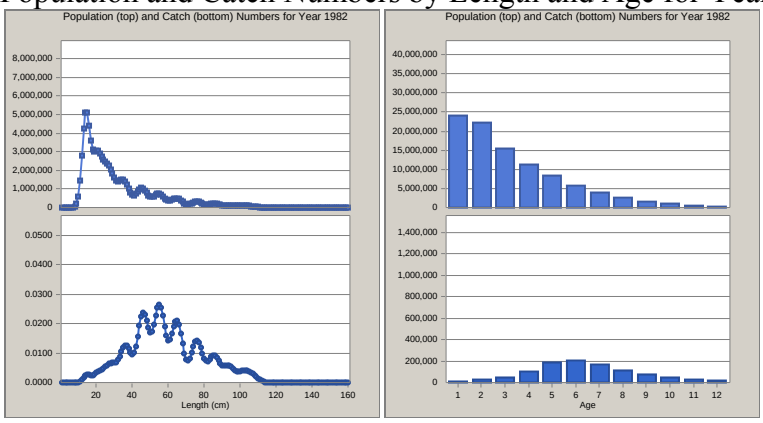
Population and Catch Numbers by Length and Age for Year 1980



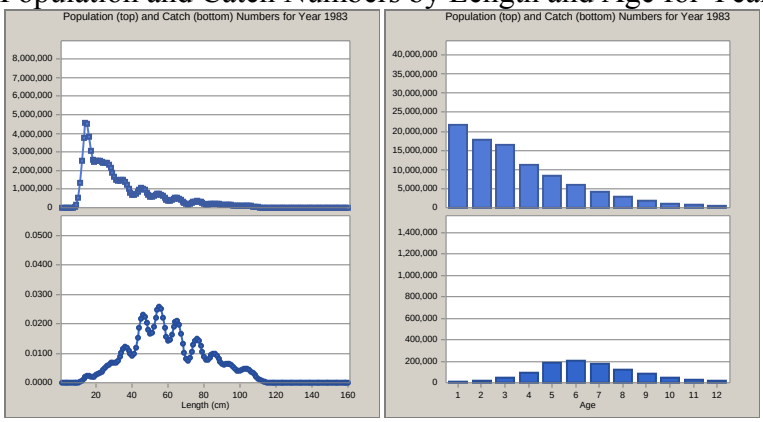
Population and Catch Numbers by Length and Age for Year 1981



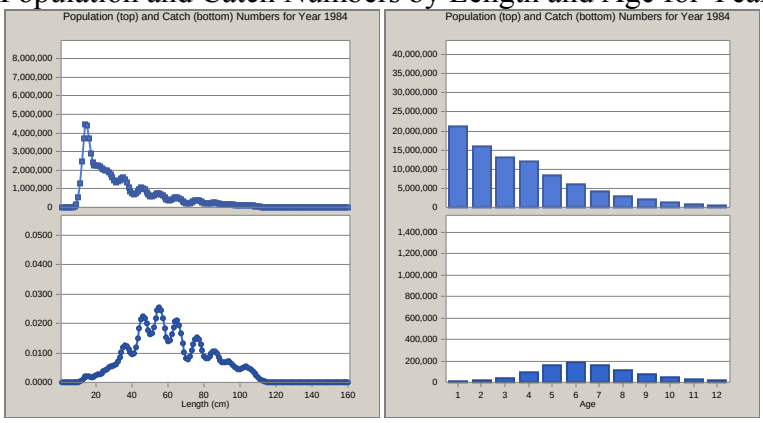
Population and Catch Numbers by Length and Age for Year 1982



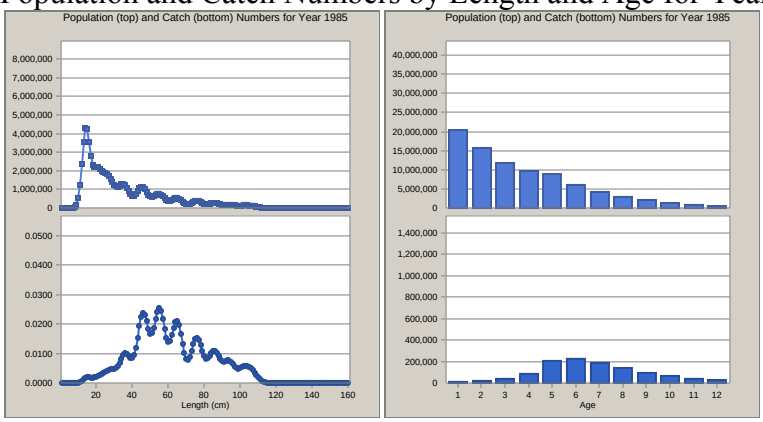
Population and Catch Numbers by Length and Age for Year 1983



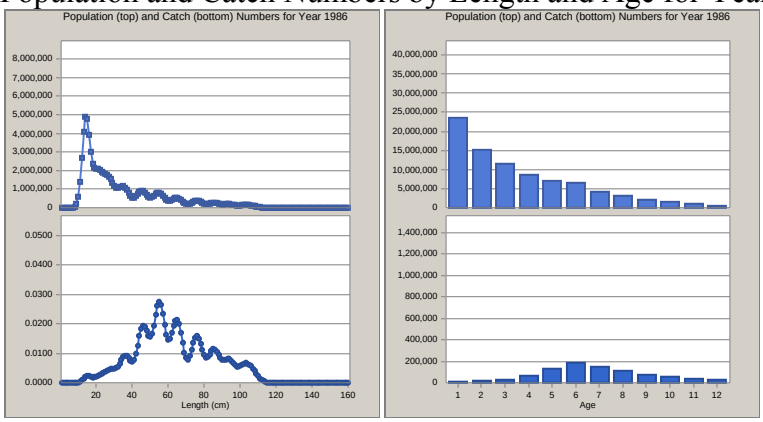
Population and Catch Numbers by Length and Age for Year 1984



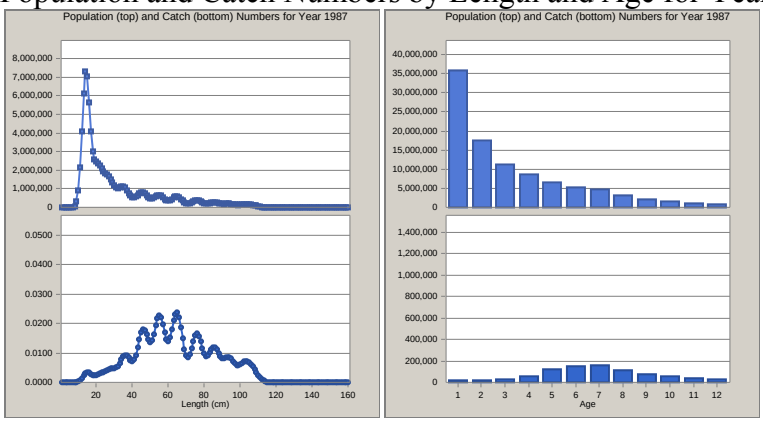
Population and Catch Numbers by Length and Age for Year 1985



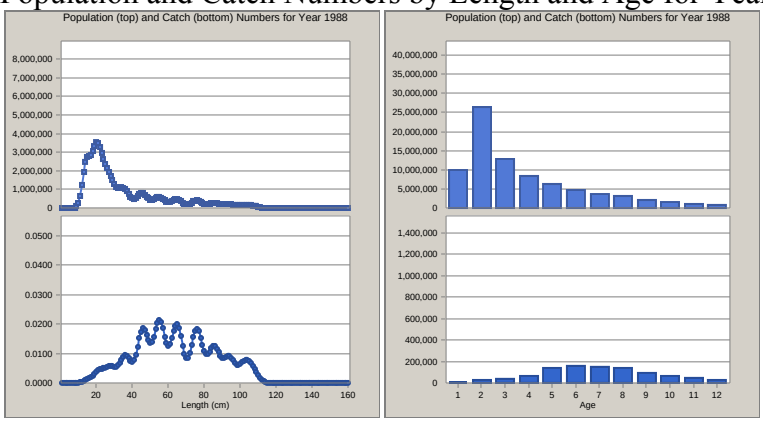
Population and Catch Numbers by Length and Age for Year 1986



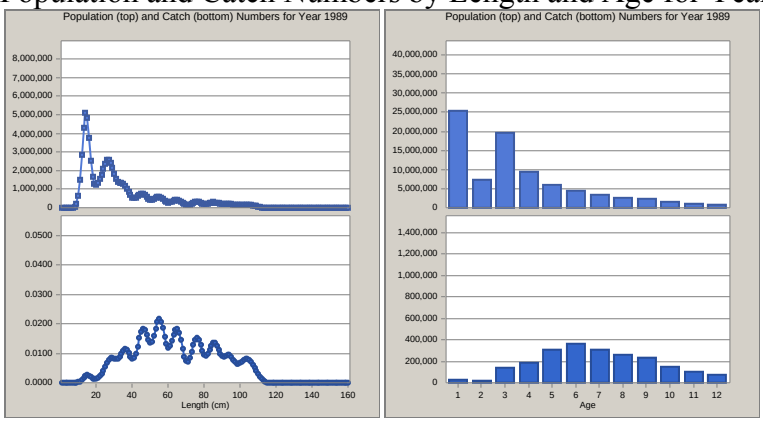
Population and Catch Numbers by Length and Age for Year 1987



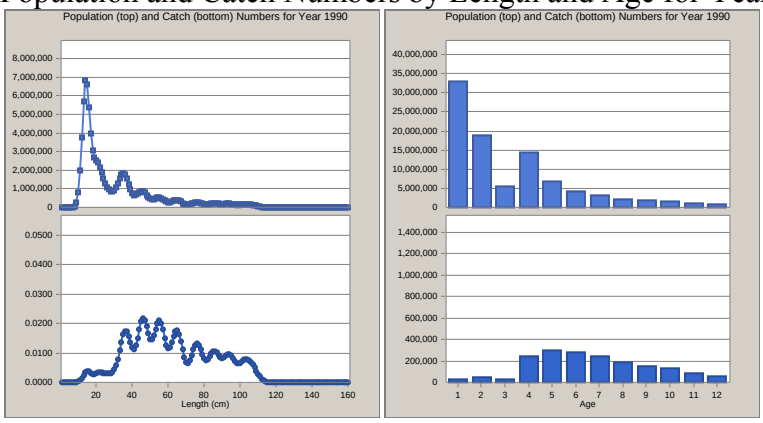
Population and Catch Numbers by Length and Age for Year 1988



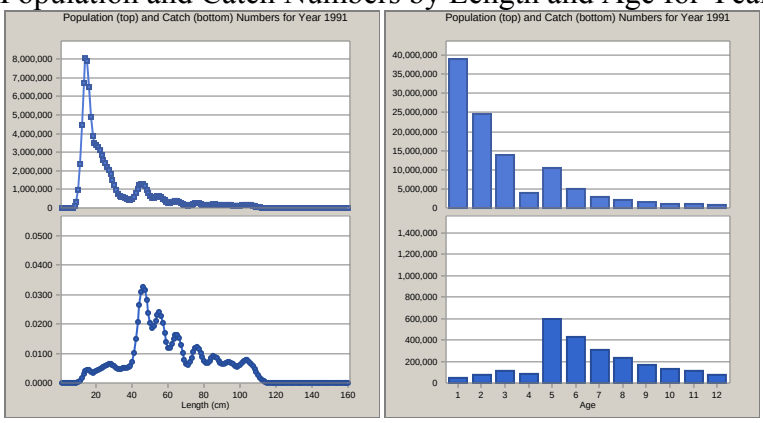
Population and Catch Numbers by Length and Age for Year 1989



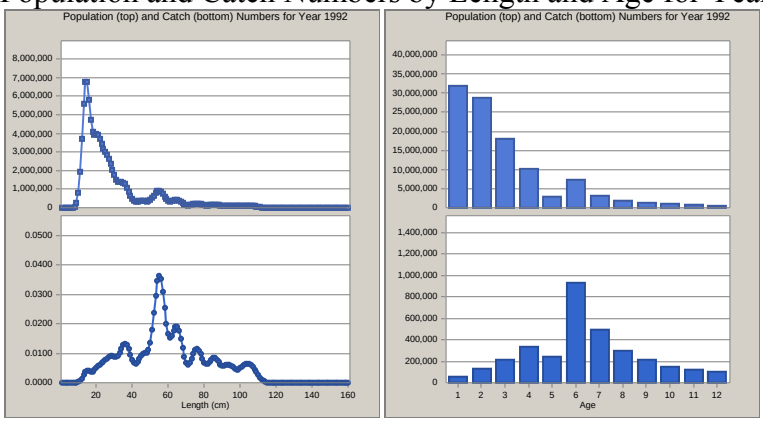
Population and Catch Numbers by Length and Age for Year 1990



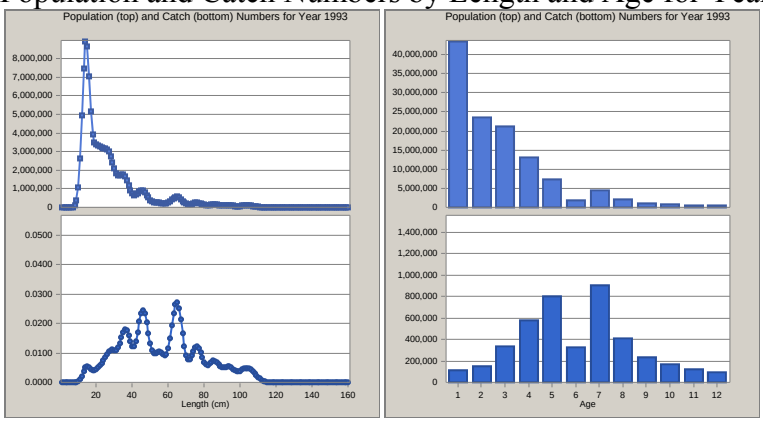
Population and Catch Numbers by Length and Age for Year 1991



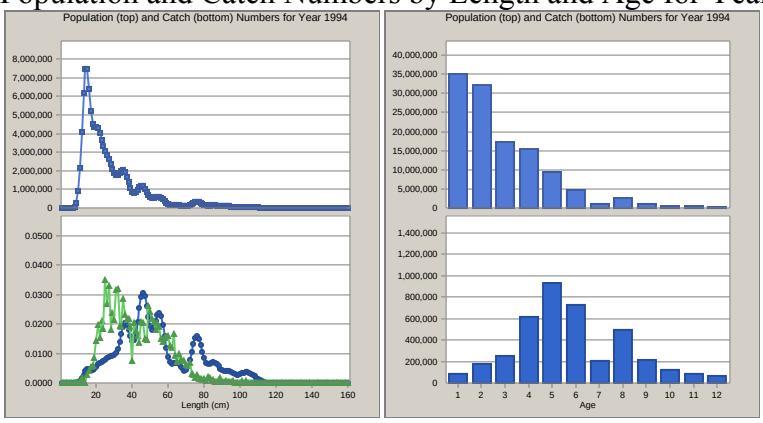
Population and Catch Numbers by Length and Age for Year 1992



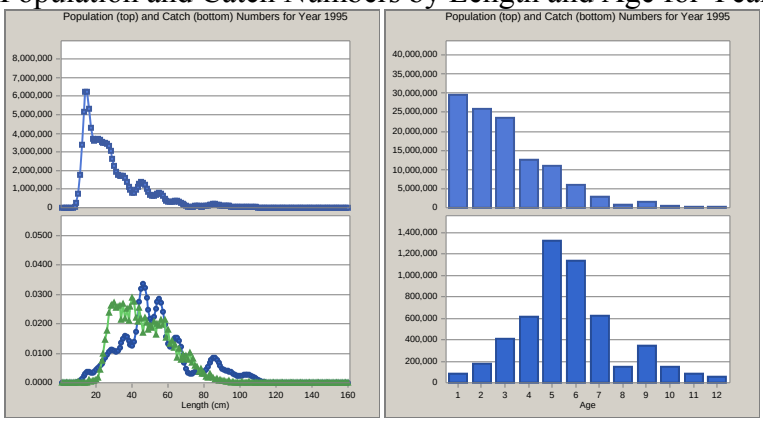
Population and Catch Numbers by Length and Age for Year 1993



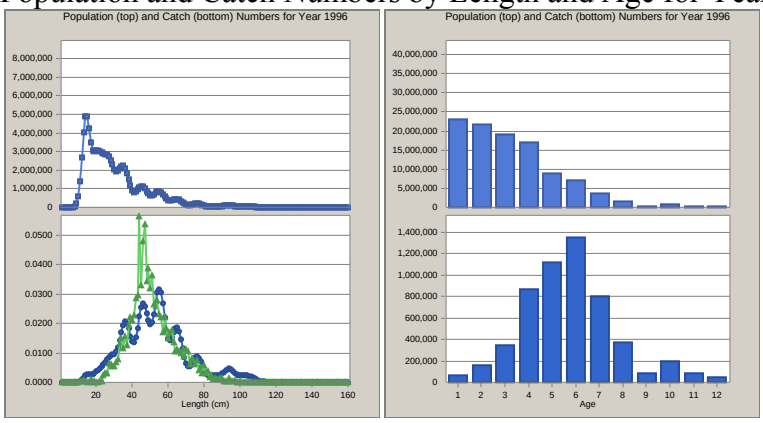
Population and Catch Numbers by Length and Age for Year 1994



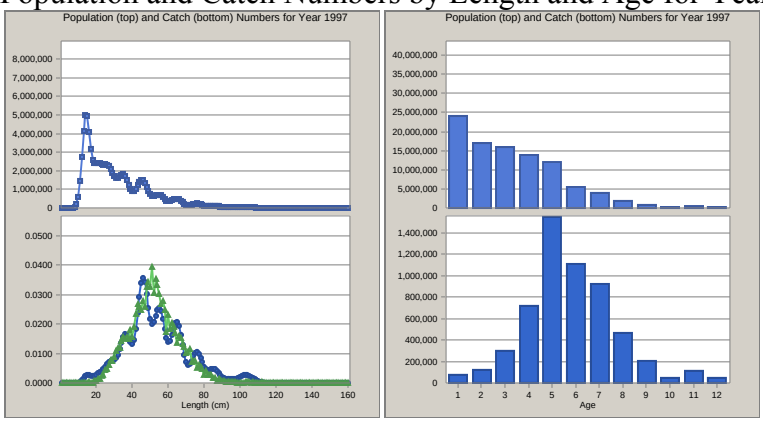
Population and Catch Numbers by Length and Age for Year 1995



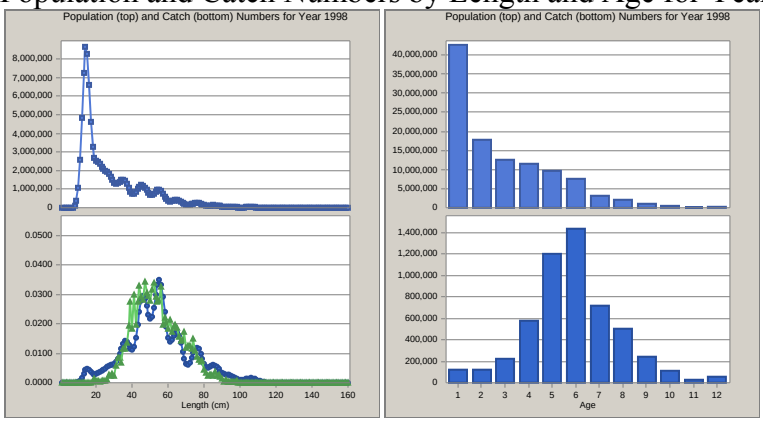
Population and Catch Numbers by Length and Age for Year 1996



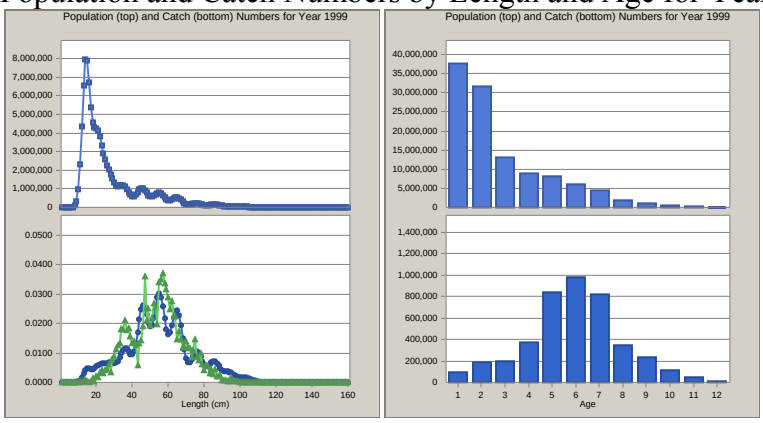
Population and Catch Numbers by Length and Age for Year 1997



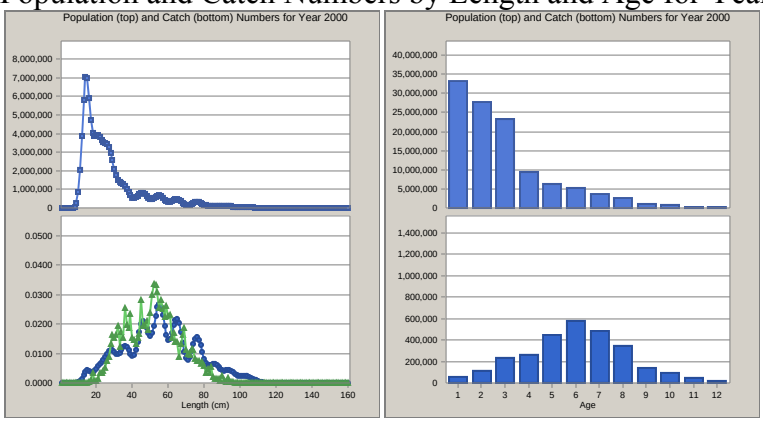
Population and Catch Numbers by Length and Age for Year 1998



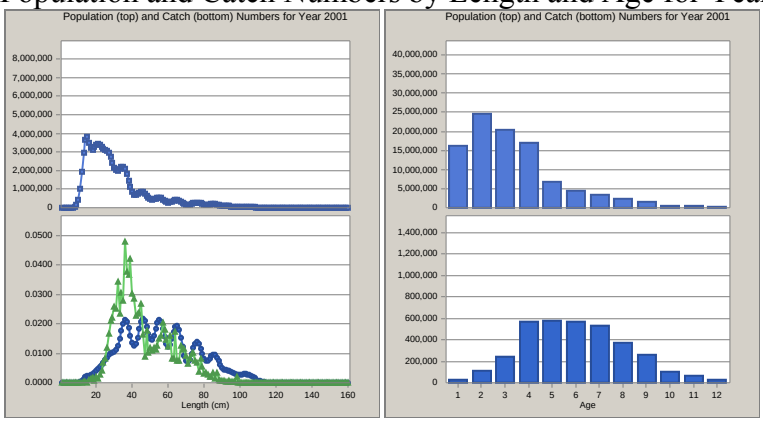
Population and Catch Numbers by Length and Age for Year 1999



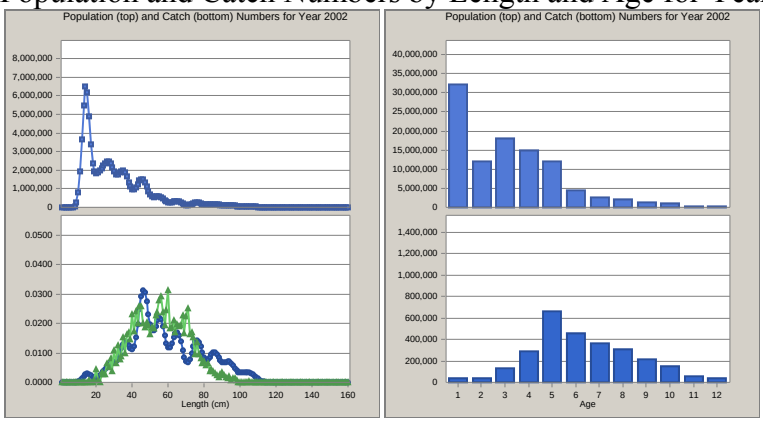
Population and Catch Numbers by Length and Age for Year 2000



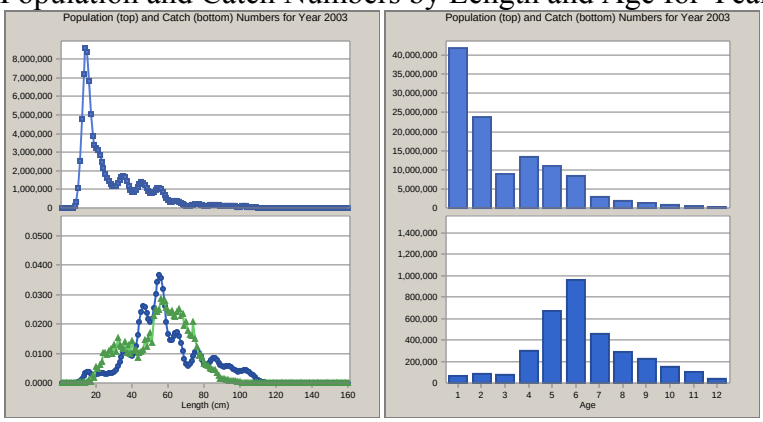
Population and Catch Numbers by Length and Age for Year 2001



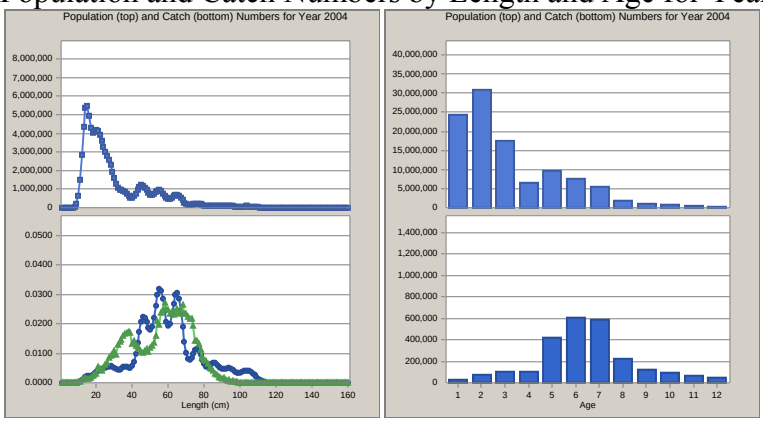
Population and Catch Numbers by Length and Age for Year 2002



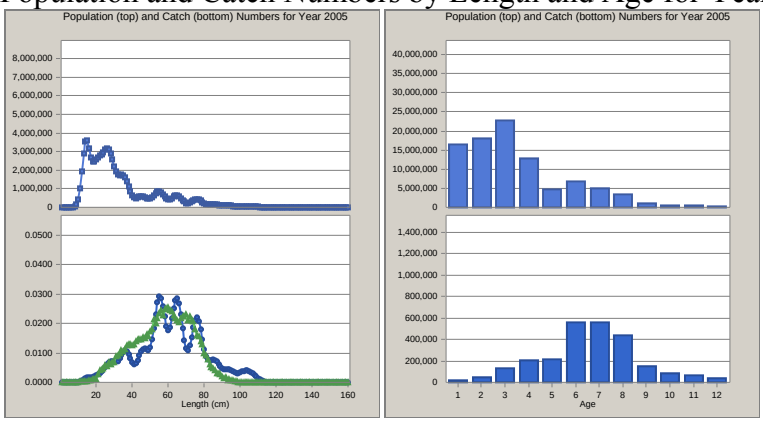
Population and Catch Numbers by Length and Age for Year 2003



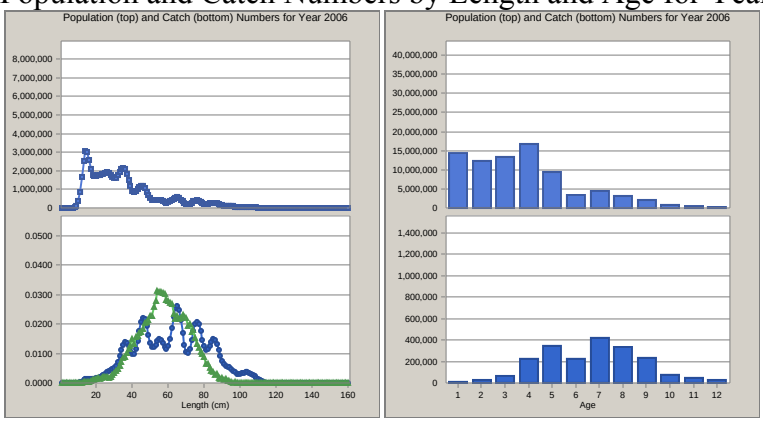
Population and Catch Numbers by Length and Age for Year 2004



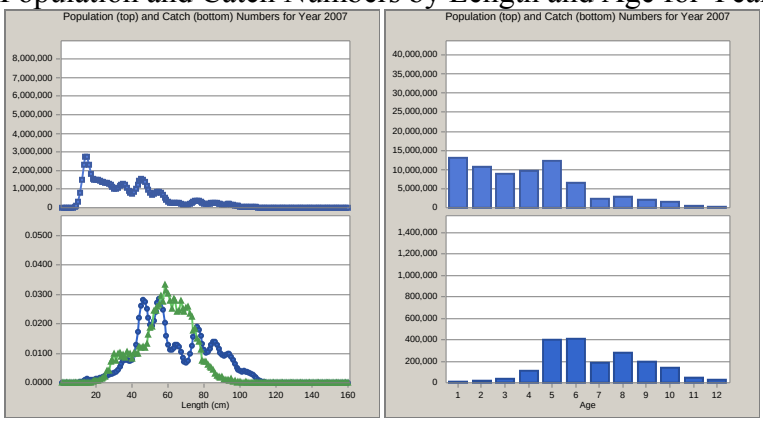
Population and Catch Numbers by Length and Age for Year 2005



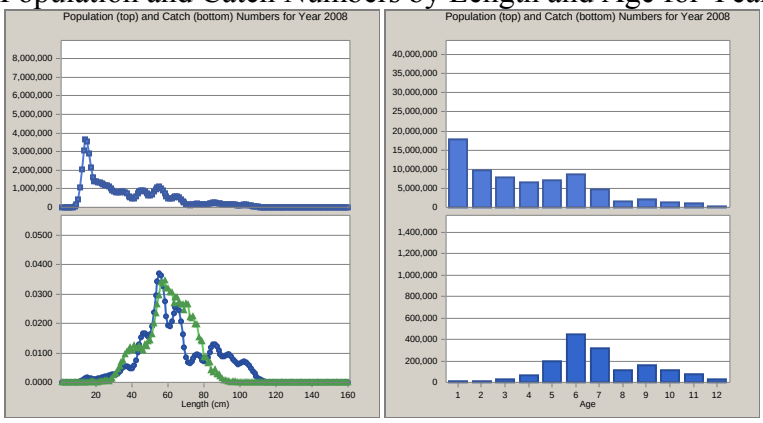
Population and Catch Numbers by Length and Age for Year 2006



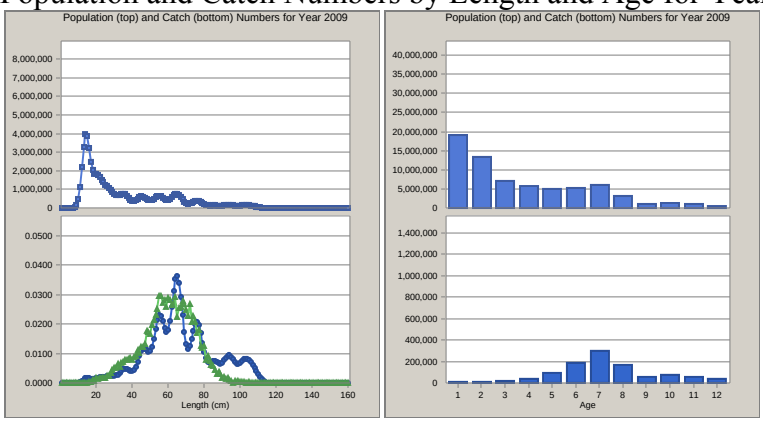
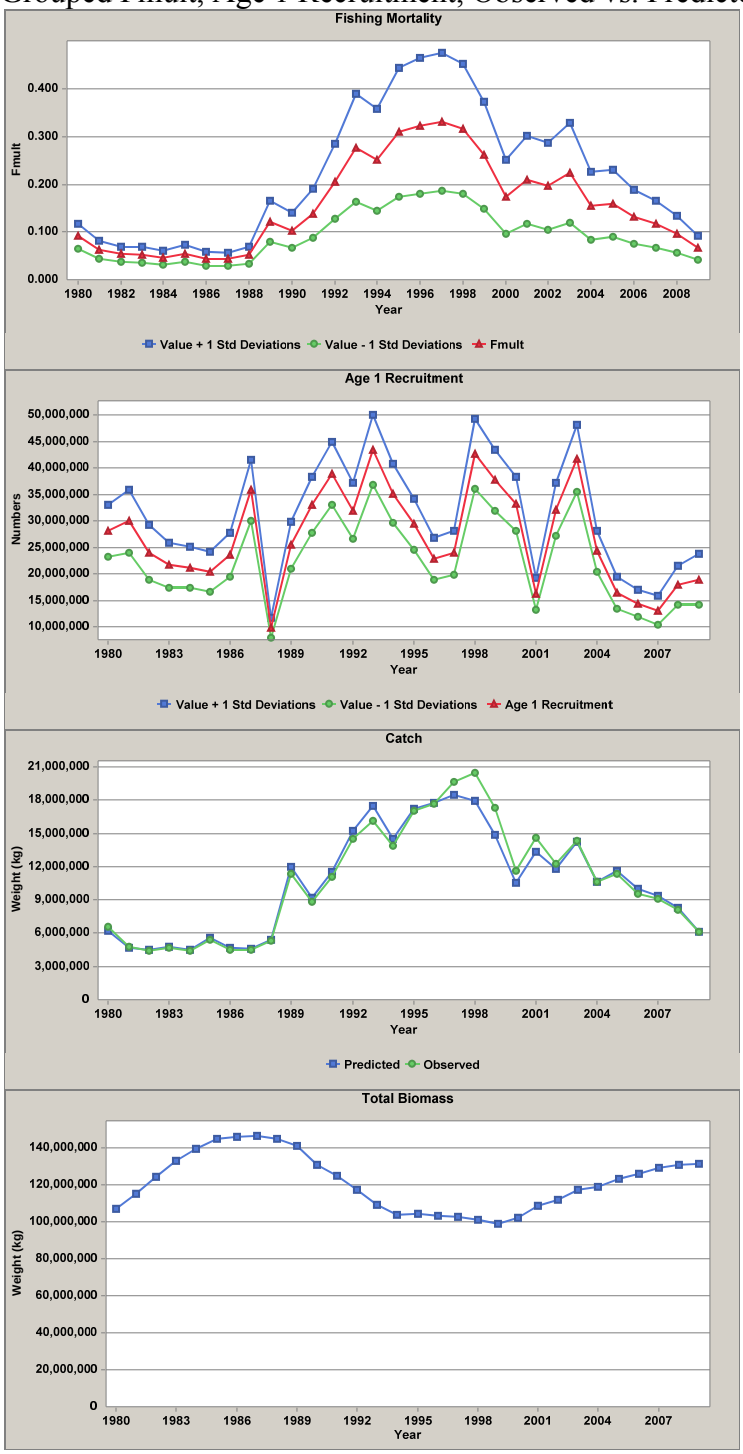
Population and Catch Numbers by Length and Age for Year 2007



Population and Catch Numbers by Length and Age for Year 2008



Population and Catch Numbers by Length and Age for Year 2009



Grouped Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass