Appendix I1

Gulf of Maine Winter Flounder Plots from SCALE model
Paul Nitschke
SCALE Split Survey Run

YOU PROBABLY DO NOT WANT TO PRINT THIS DOCUMENT
(114 Pages)

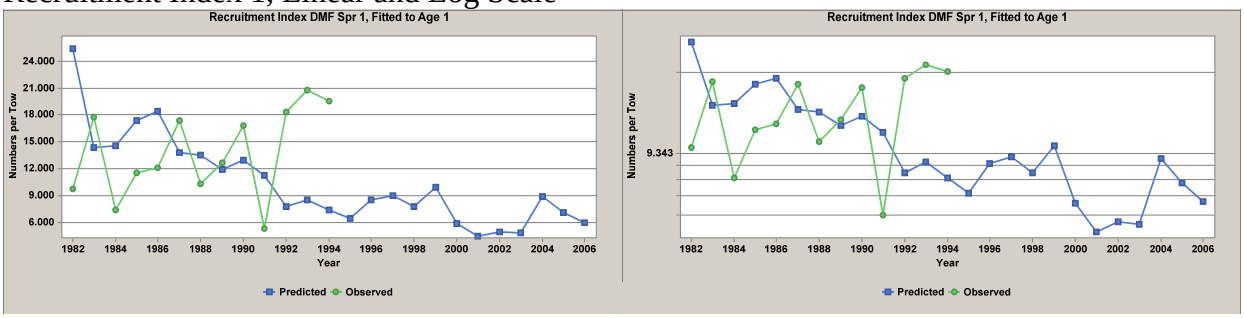
Plot Collection for
C:\Nit\gmwf\GARM08\BRP\scale-final\gomwf1-82var-obs-sepsex-test3-split.dat
4/21/2008 10:07:13 AM

The following plots have been exported:
Recruitment Indices, Group Linear and Log Scale, 1 Index per Line (36 Plots)
Adult Indices, Group Linear and Log Scale, 1 Index per Line (16 Plots)
Fmult (1 Plot)
Age 1 Recruitment (1 Plot)
Age Frequency: Group by Year, 2 Plots Per Line (100 Plots)
Observed vs. Predicted Catch Weight (1 Plot)
Catch Weight at Year (15 Plots)
Weight at Length (1 Plot)
Exploitable Biomass (1 Plot)
Total Biomass (1 Plot)
Selectivity (2 Plots)
4-Plot: Population and Catch Numbers (50 Plots)
Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass: Group 2 per Line (4 Plots)
Survey Length Frequencies (125 Plots)

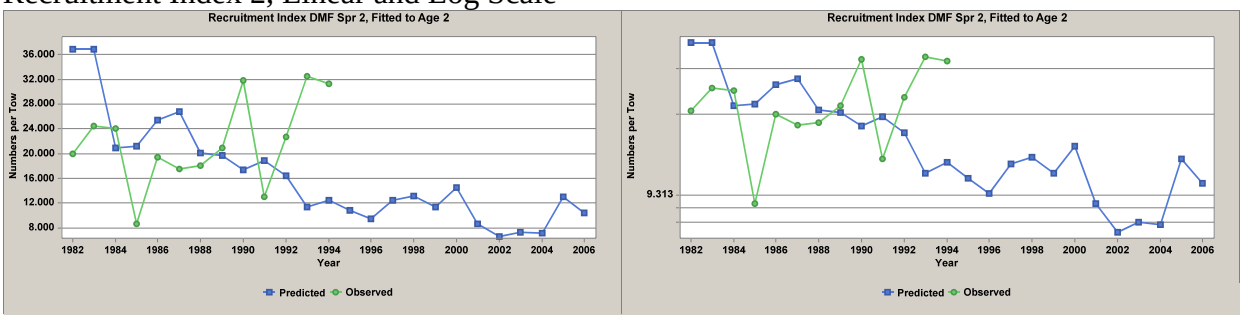
3D Plots, Male Catch Length Frequency (25 Plots)
3D Plots, Female Catch Length Frequency (25 Plots)
3D Plots, Male Population Length Frequency (25 Plots)
3D Plots, Female Population Length Frequency (25 Plots)

This information is distributed solely for the purpose of pre-dissemination peer review. It has not been formally disseminated by NOAA. It does not represent any final agency determination or policy.

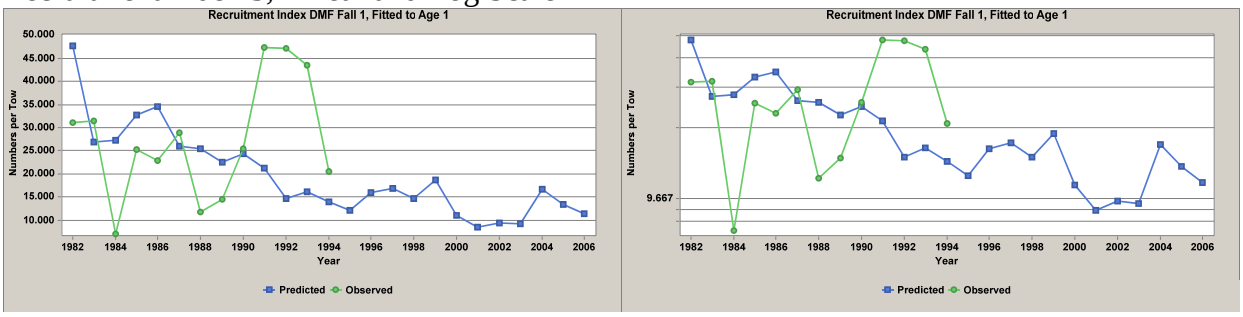
Recruitment Index 1, Linear and Log Scale



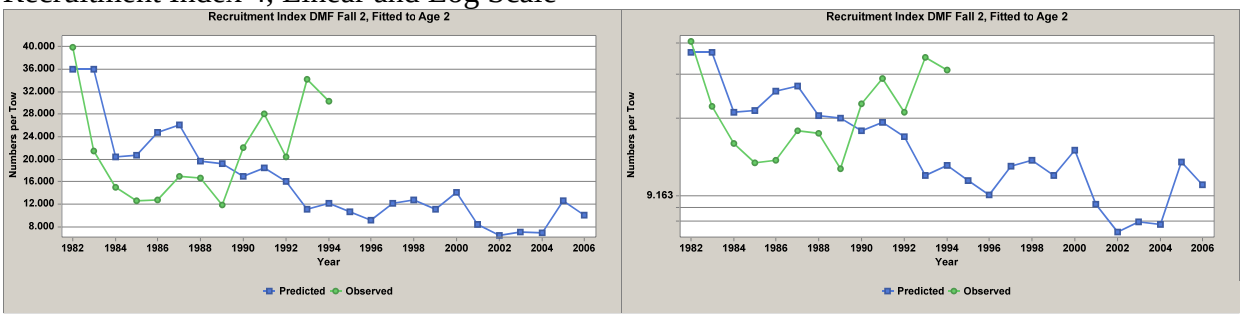
Recruitment Index 2, Linear and Log Scale



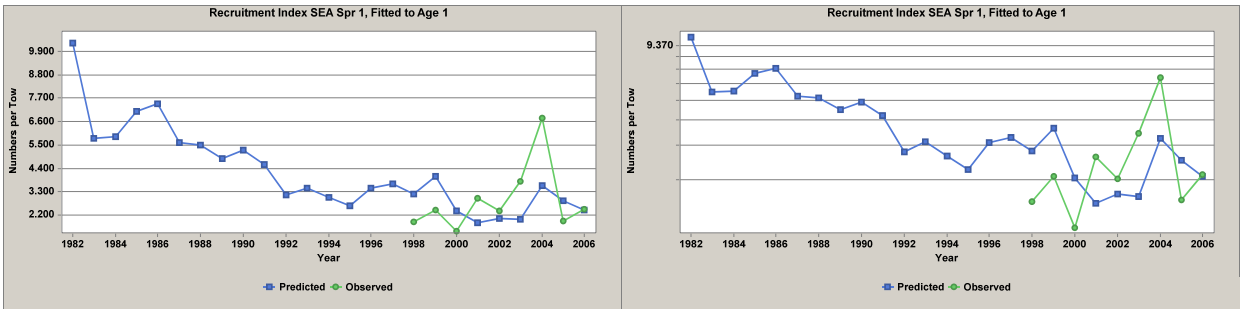
Recruitment Index 3, Linear and Log Scale



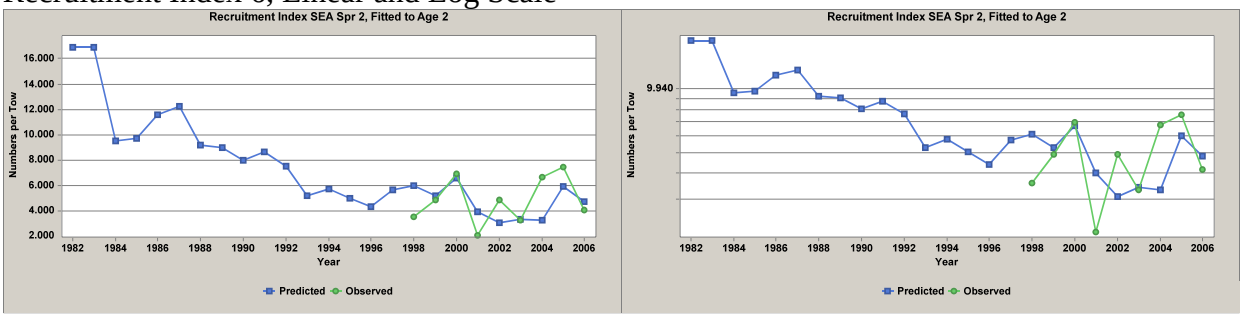
Recruitment Index 4, Linear and Log Scale



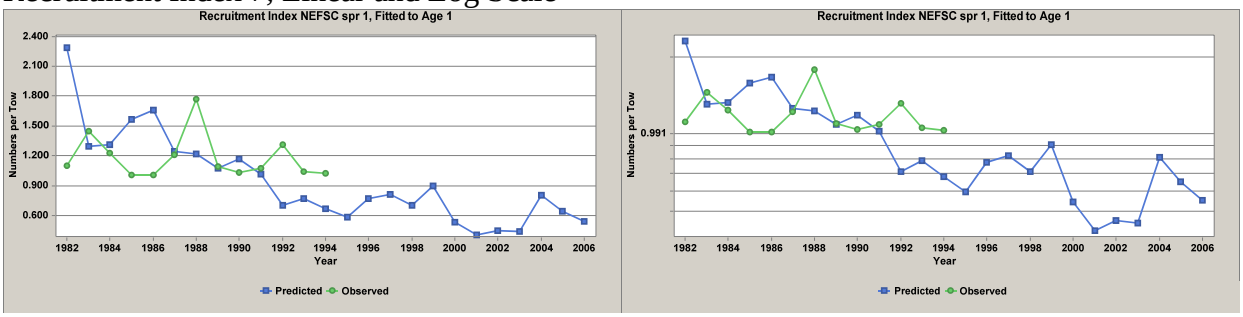
Recruitment Index 5, Linear and Log Scale



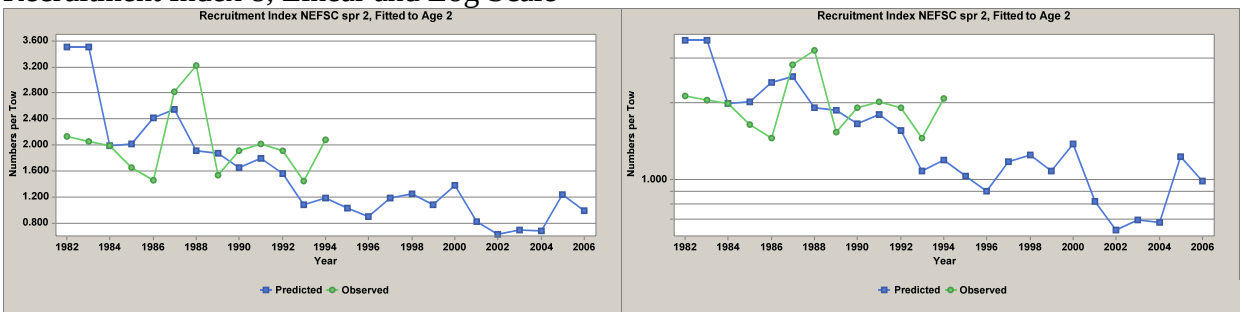
Recruitment Index 6, Linear and Log Scale



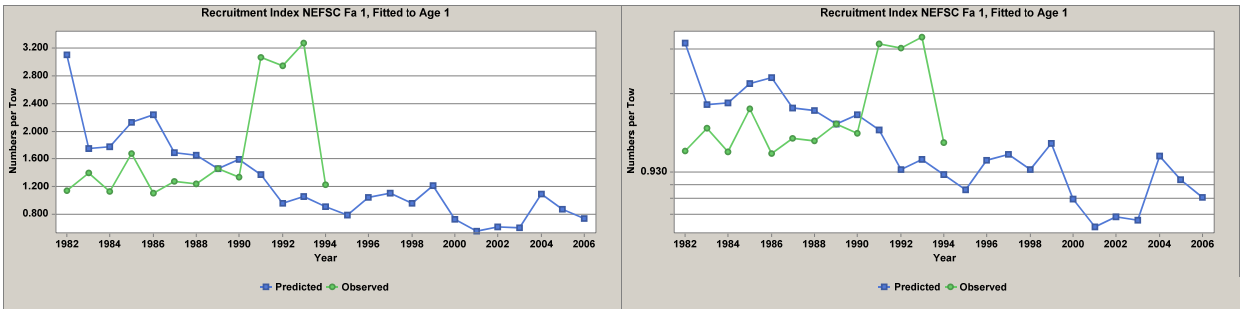
Recruitment Index 7, Linear and Log Scale



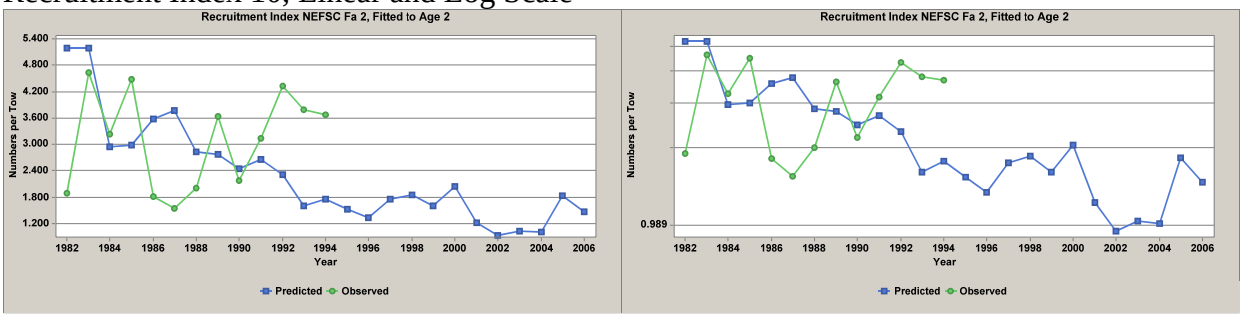
Recruitment Index 8, Linear and Log Scale



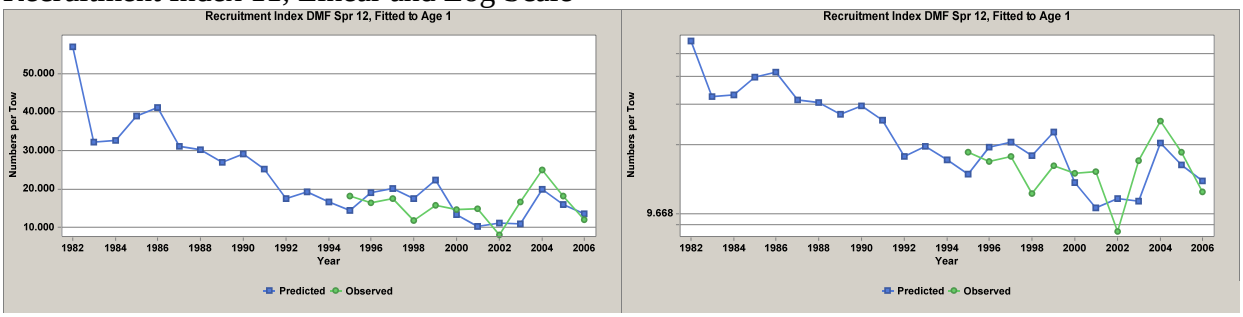
Recruitment Index 9, Linear and Log Scale



Recruitment Index 10, Linear and Log Scale



Recruitment Index 11, Linear and Log Scale



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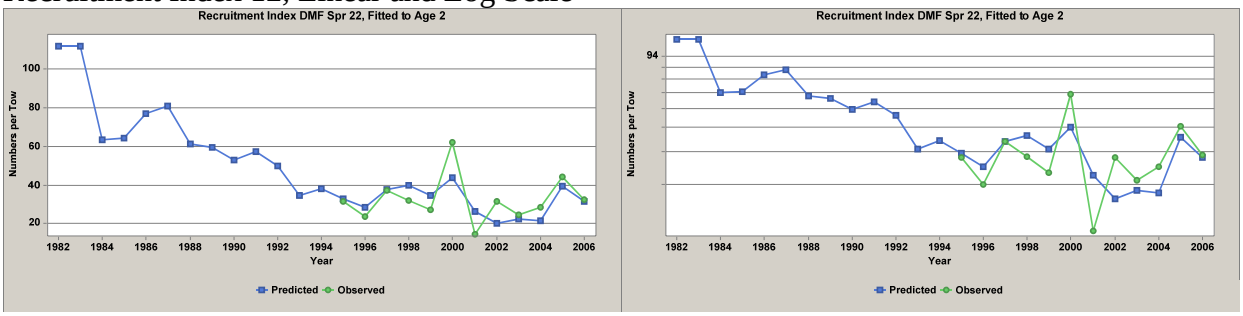
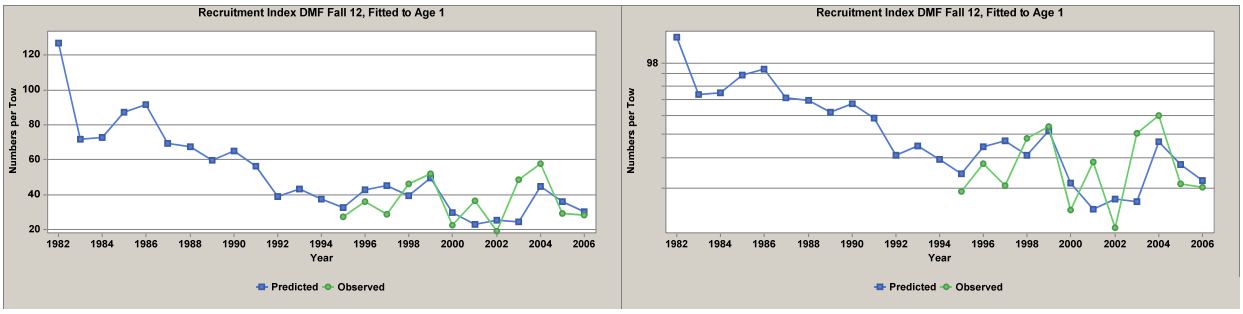
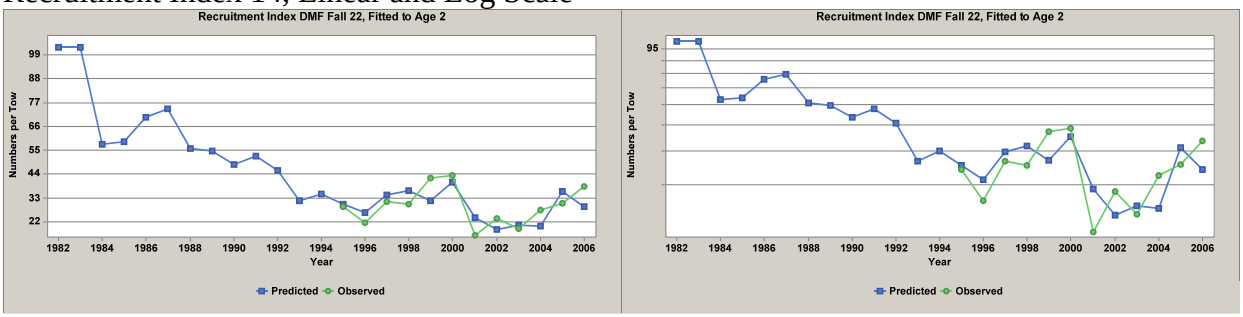


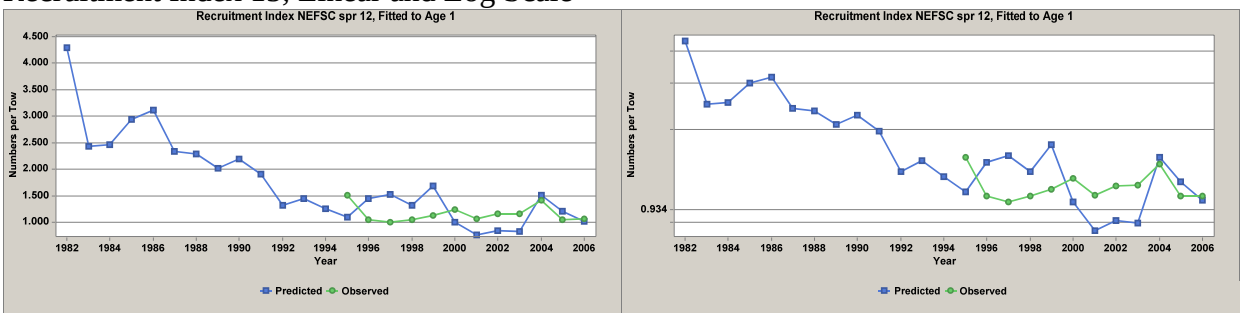
Recruitment Index 13, Linear and Log Scale



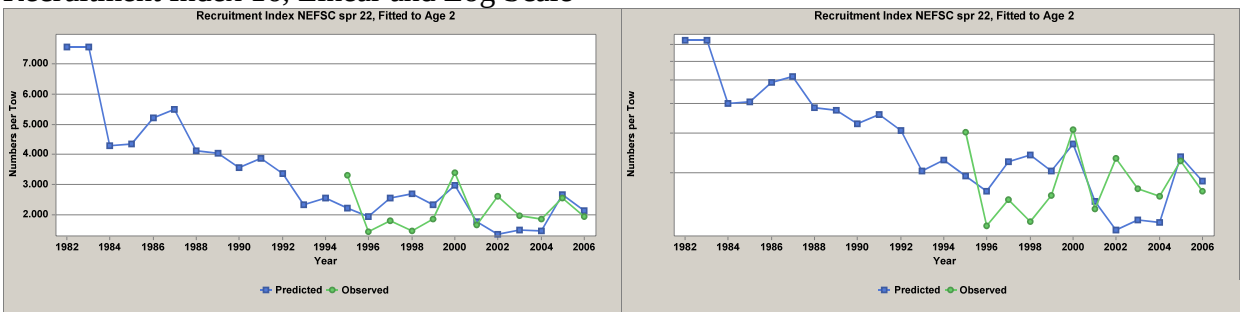
Recruitment Index 14, Linear and Log Scale



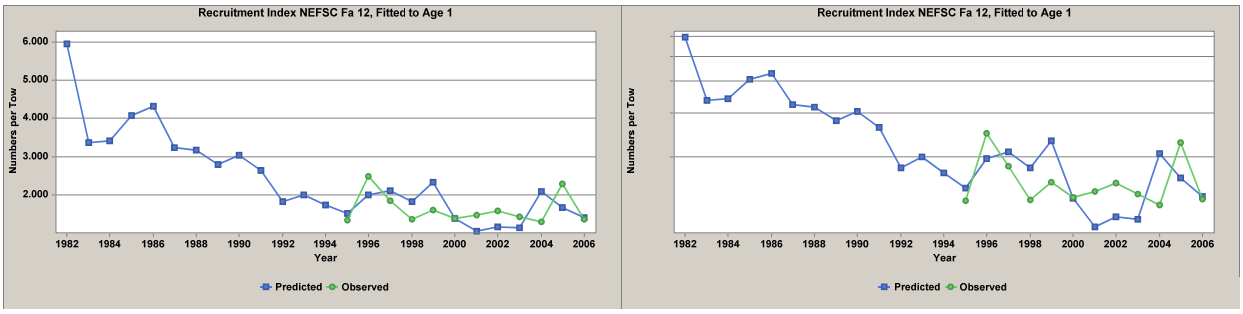
Recruitment Index 15, Linear and Log Scale



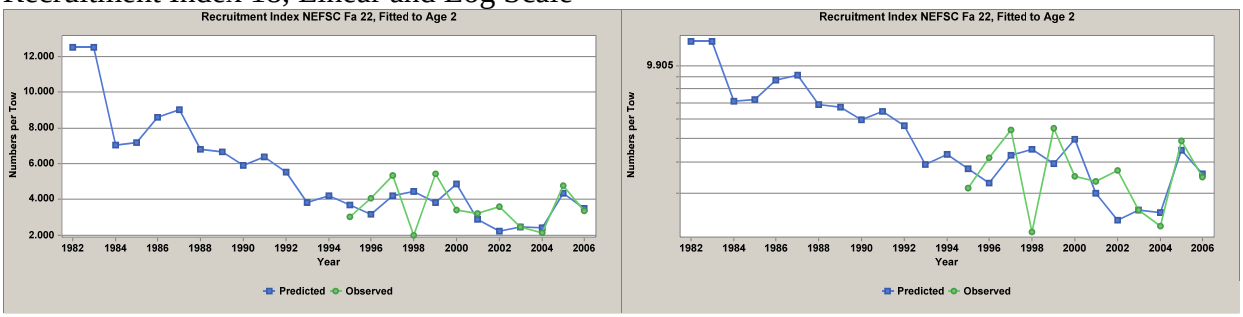
Recruitment Index 16, Linear and Log Scale



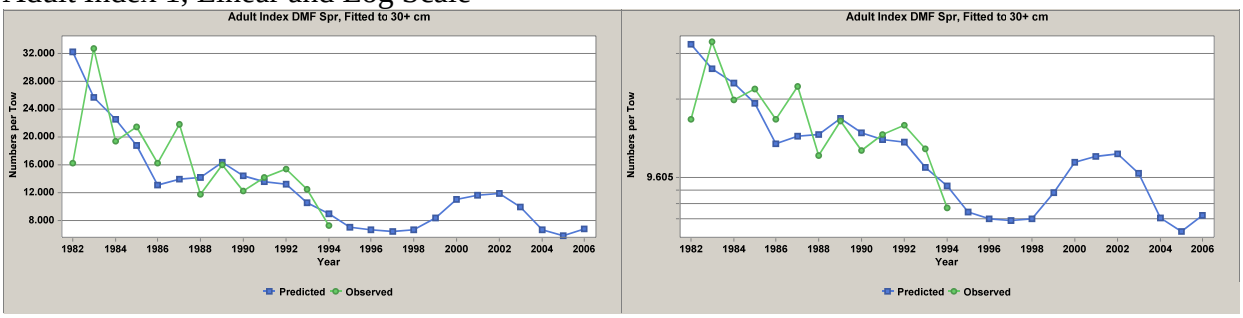
Recruitment Index 17, Linear and Log Scale



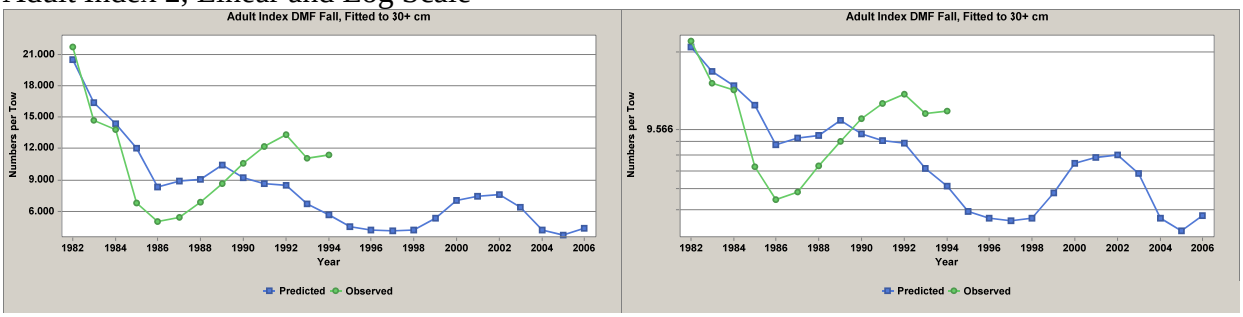
Recruitment Index 18, Linear and Log Scale



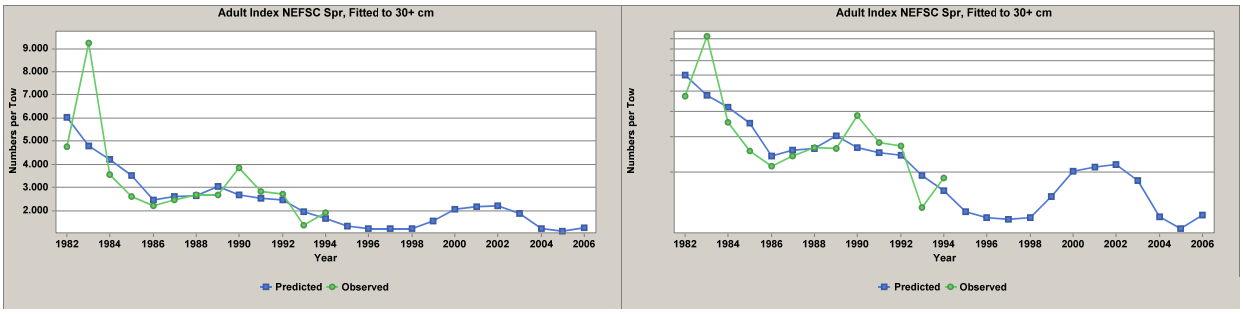
Adult Index 1, Linear and Log Scale



Adult Index 2, Linear and Log Scale



Adult Index 3, Linear and Log Scale



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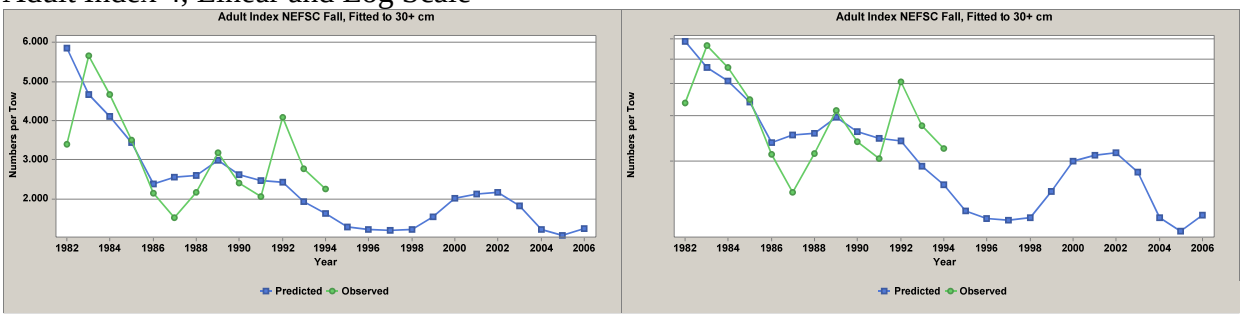

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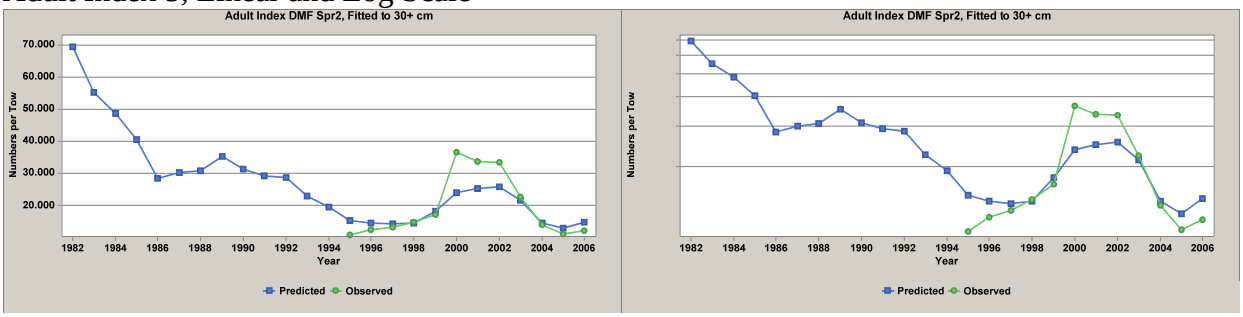
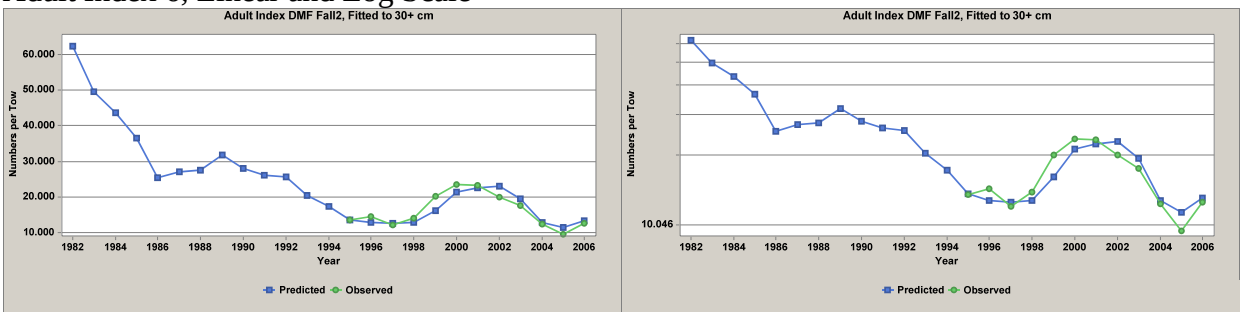
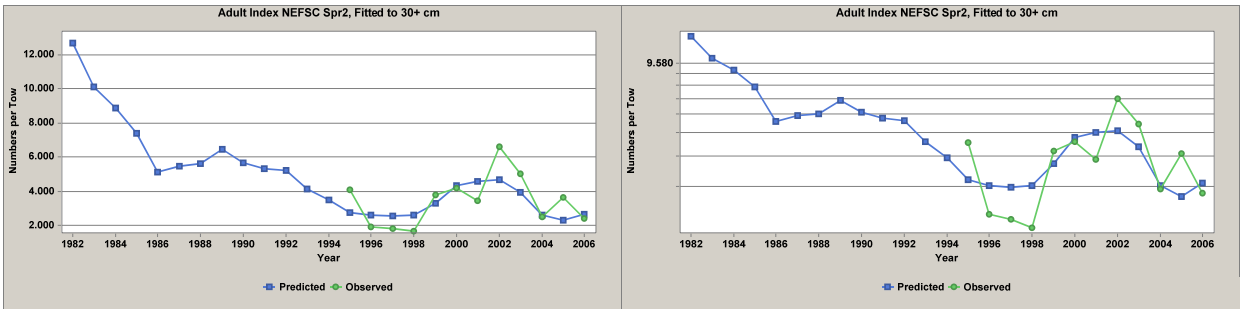


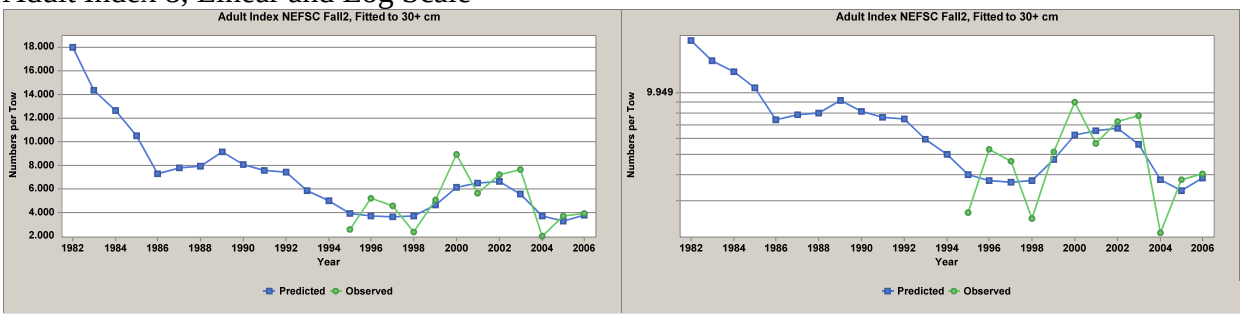
Adult Index 6, Linear and Log Scale



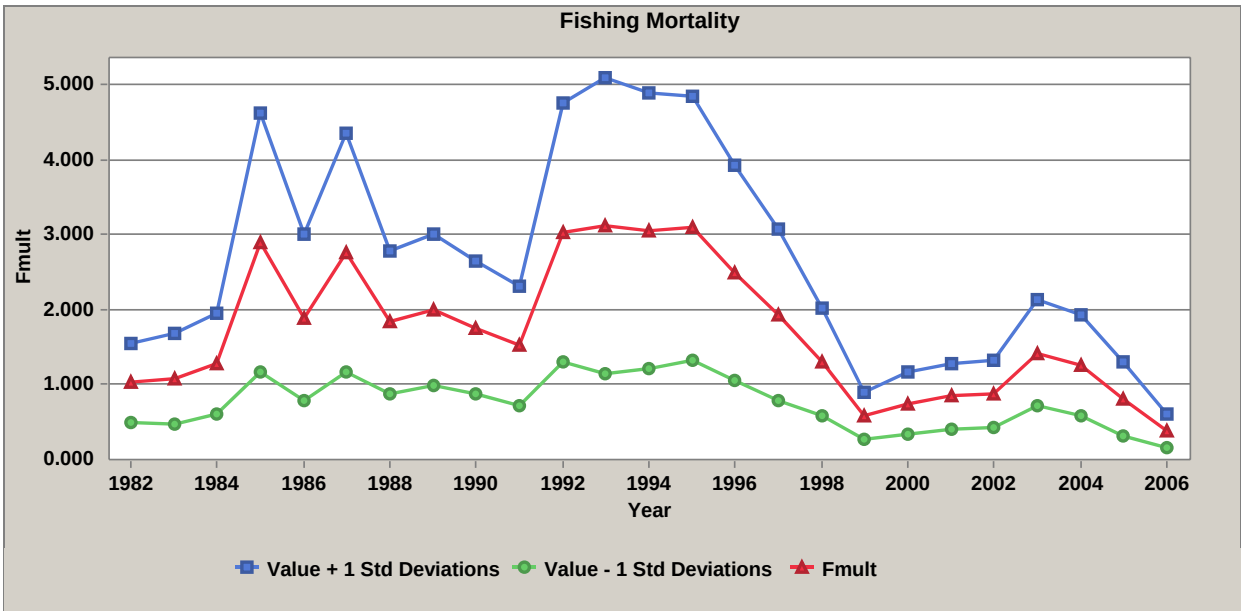
Adult Index 7, Linear and Log Scale



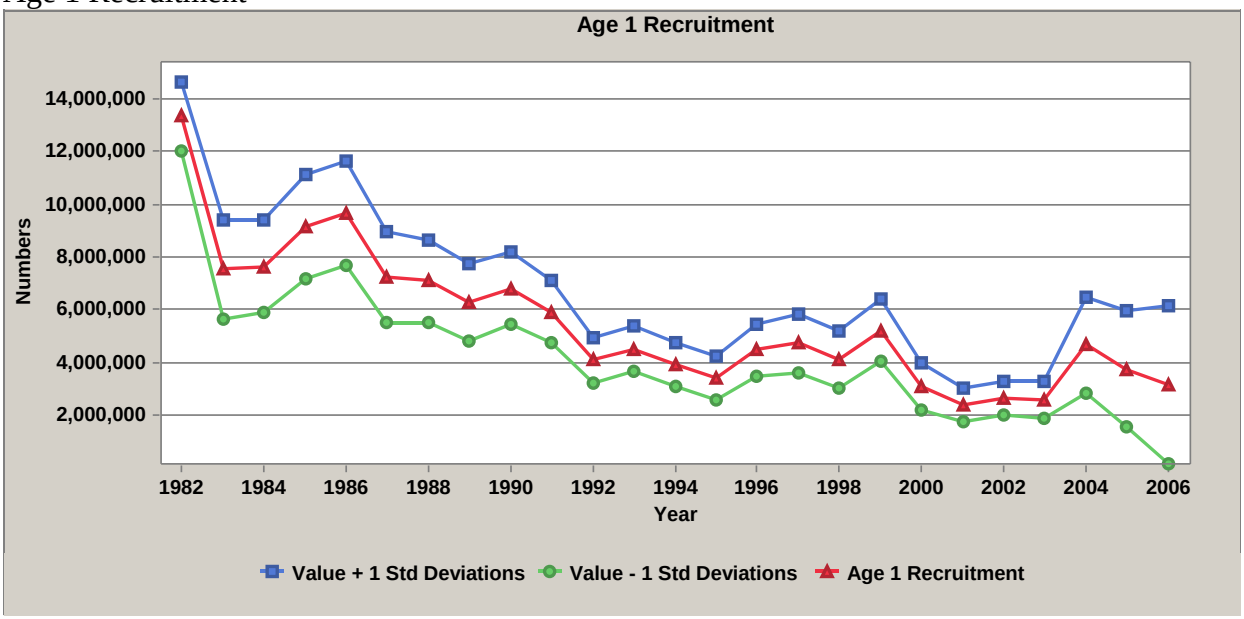
Adult Index 8, Linear and Log Scale



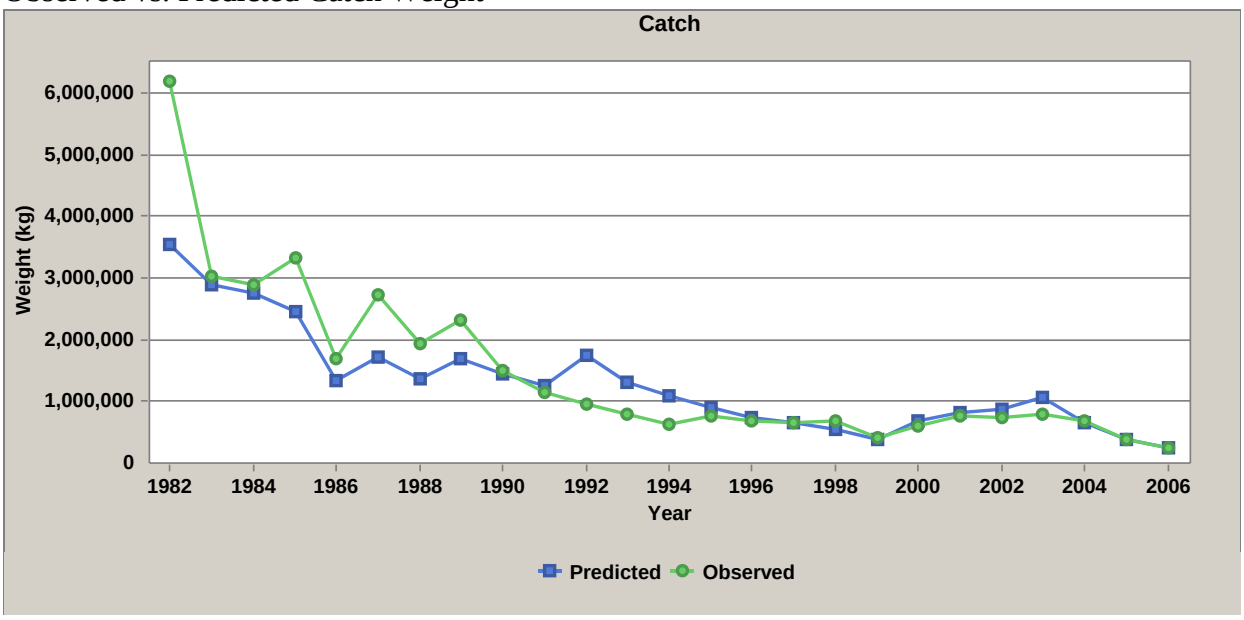
Fmult



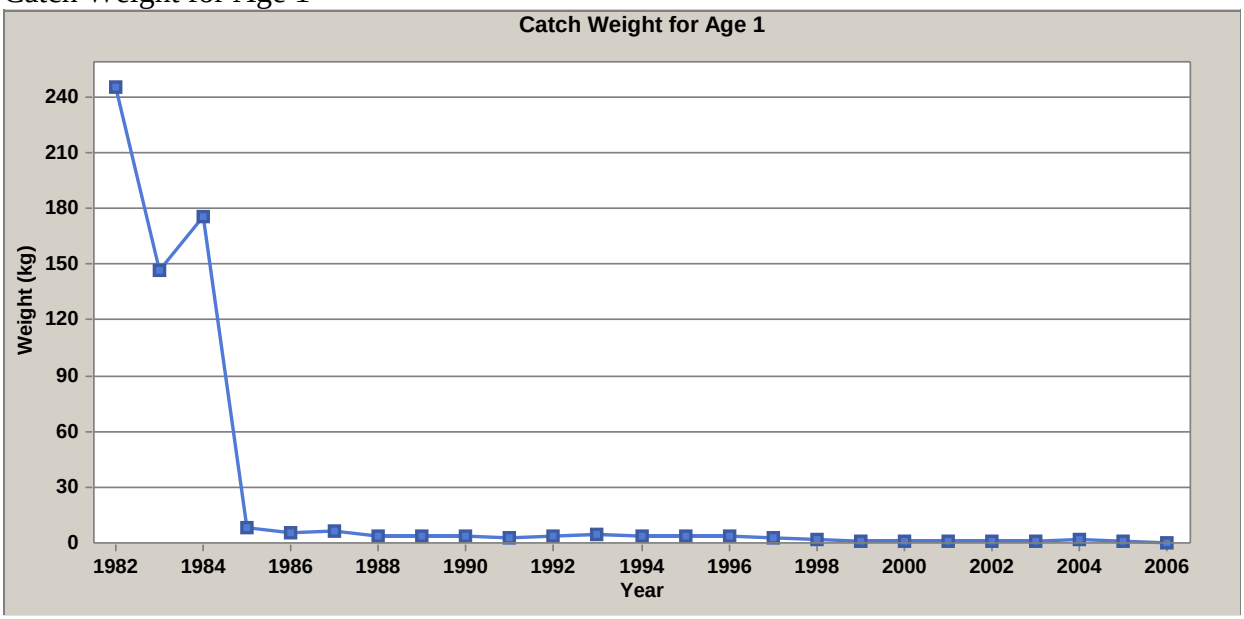
Age 1 Recruitment



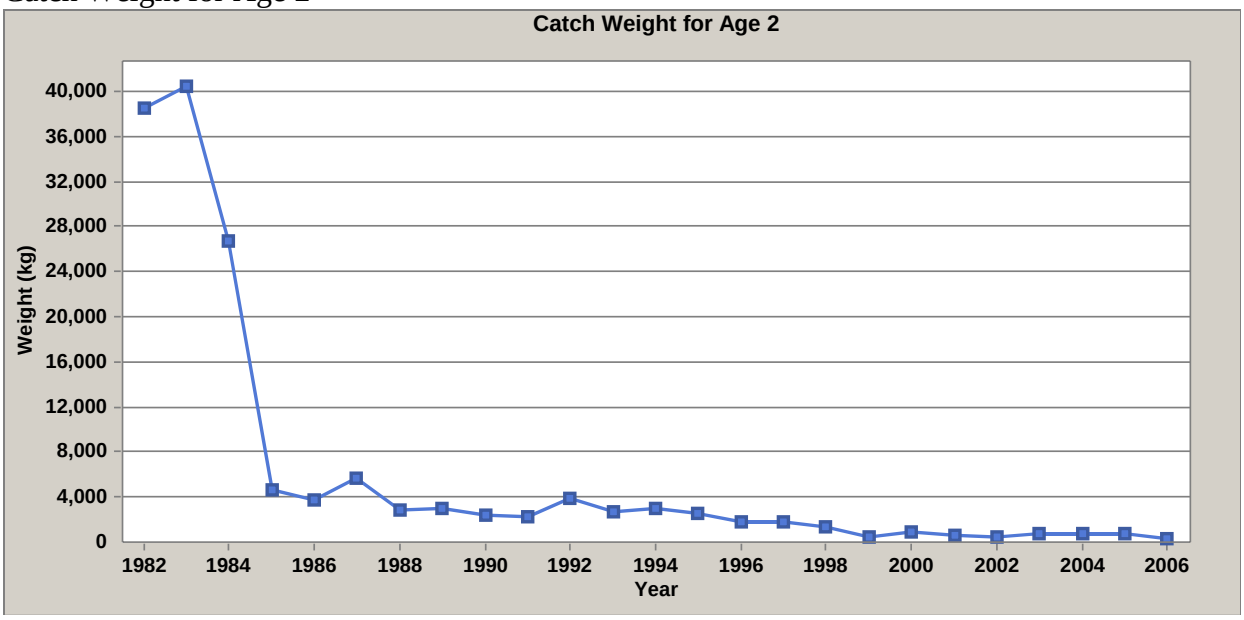
Observed vs. Predicted Catch Weight



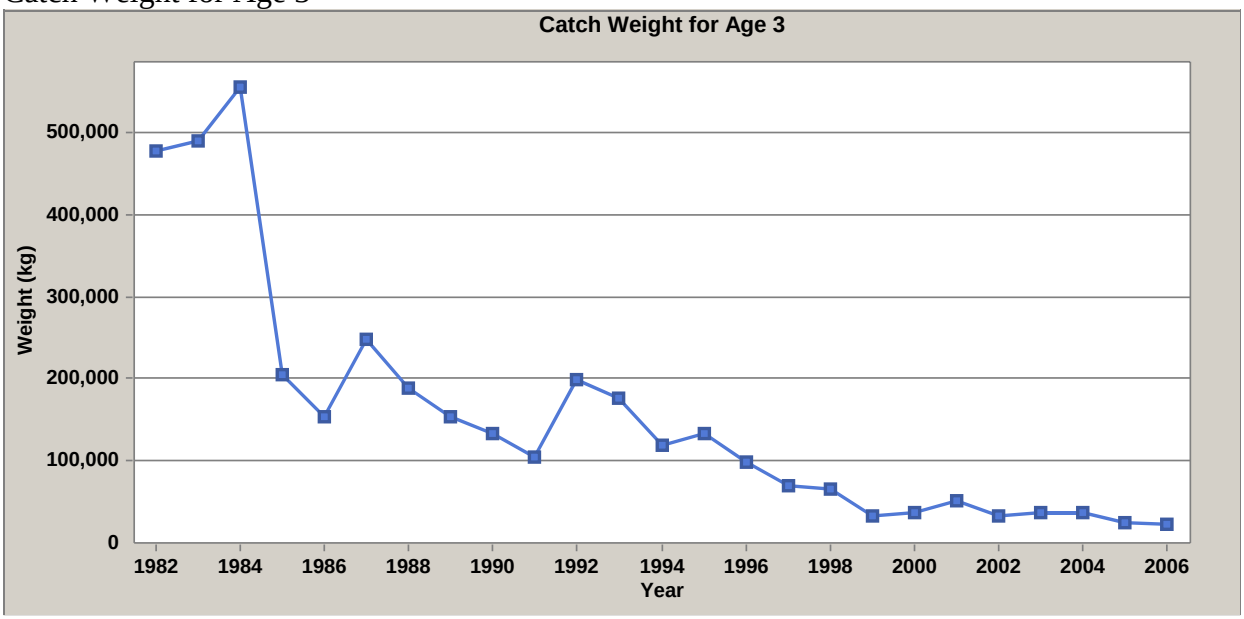
Catch Weight for Age 1



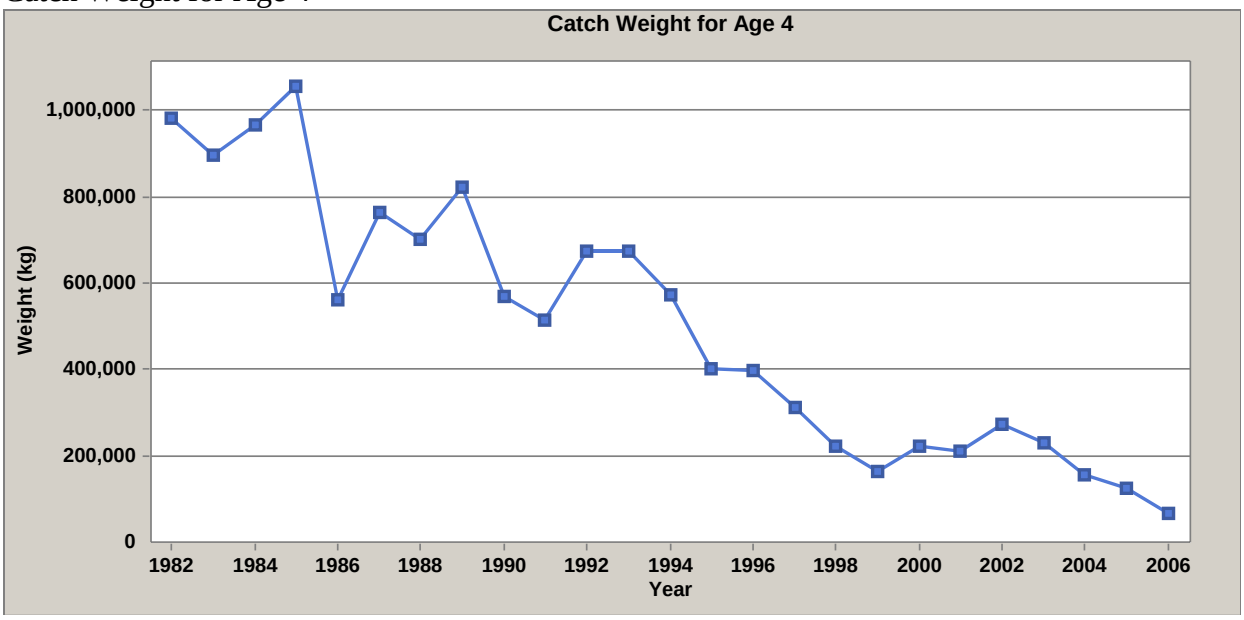
Catch Weight for Age 2



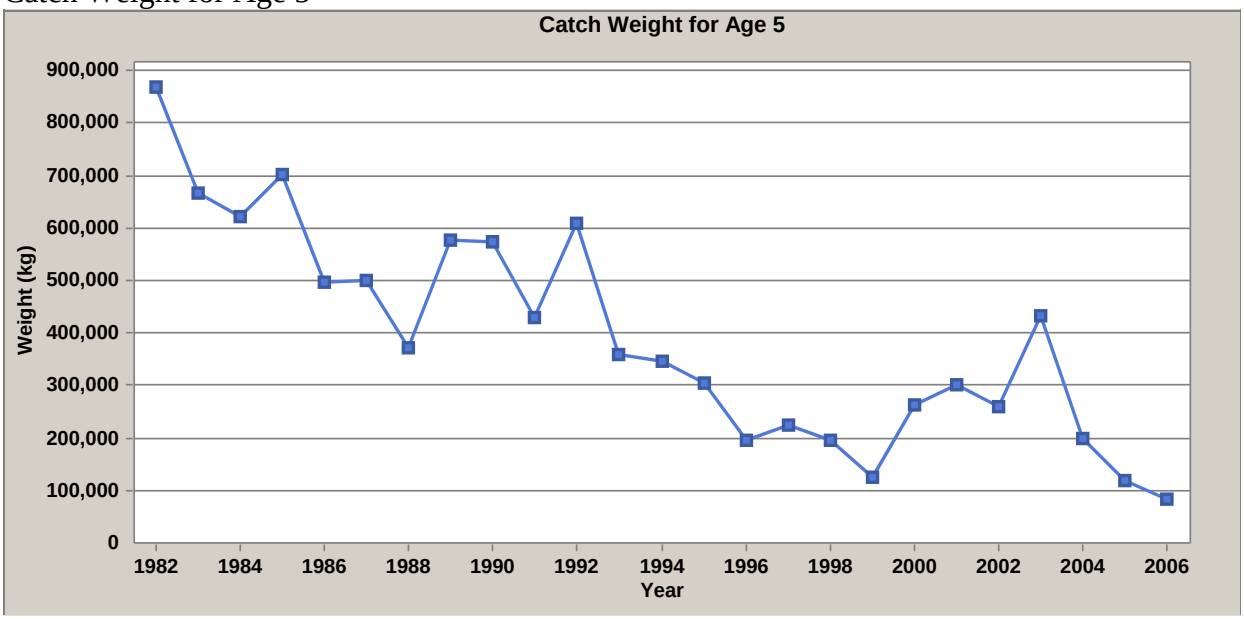
Catch Weight for Age 3



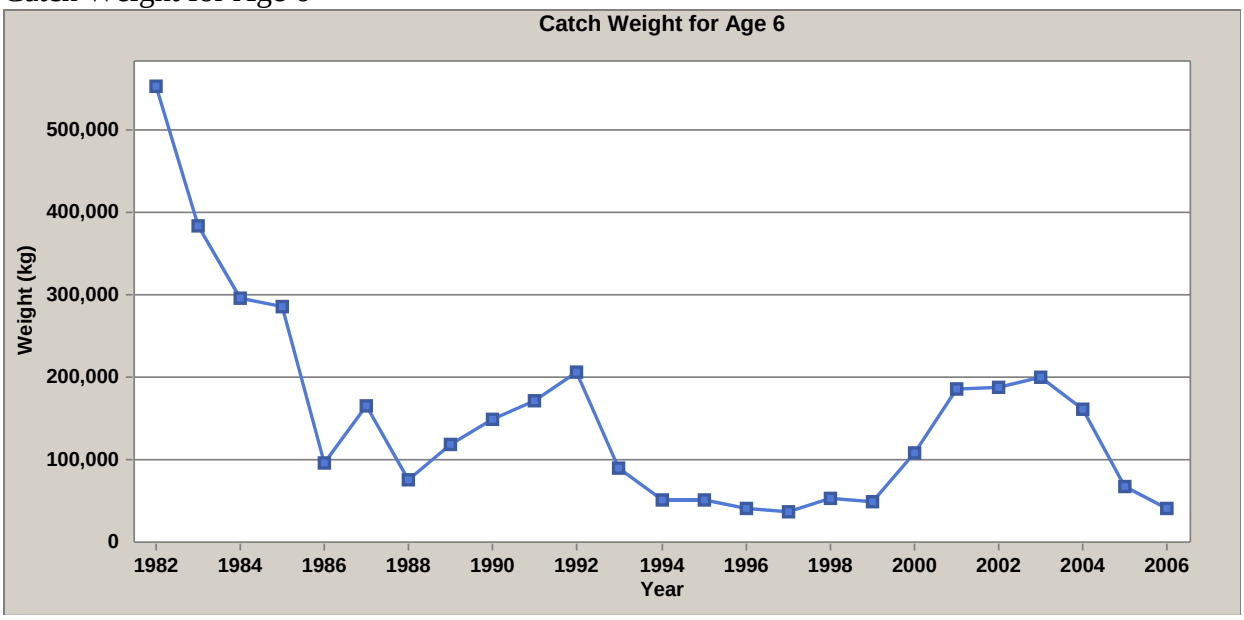
Catch Weight for Age 4



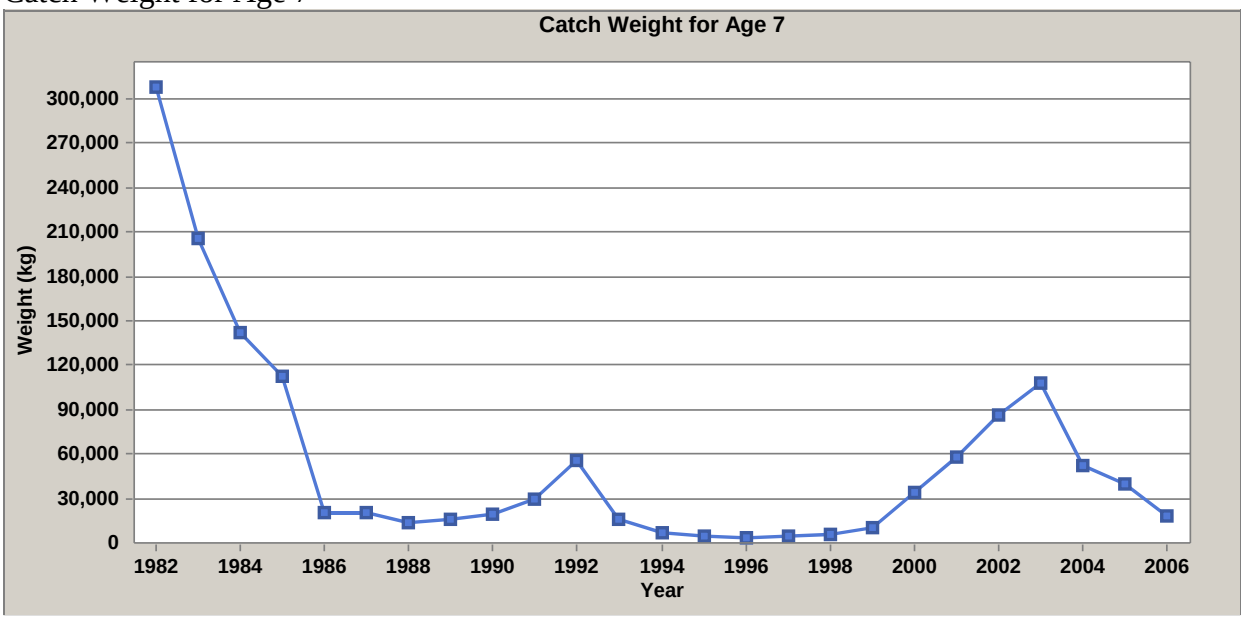
Catch Weight for Age 5



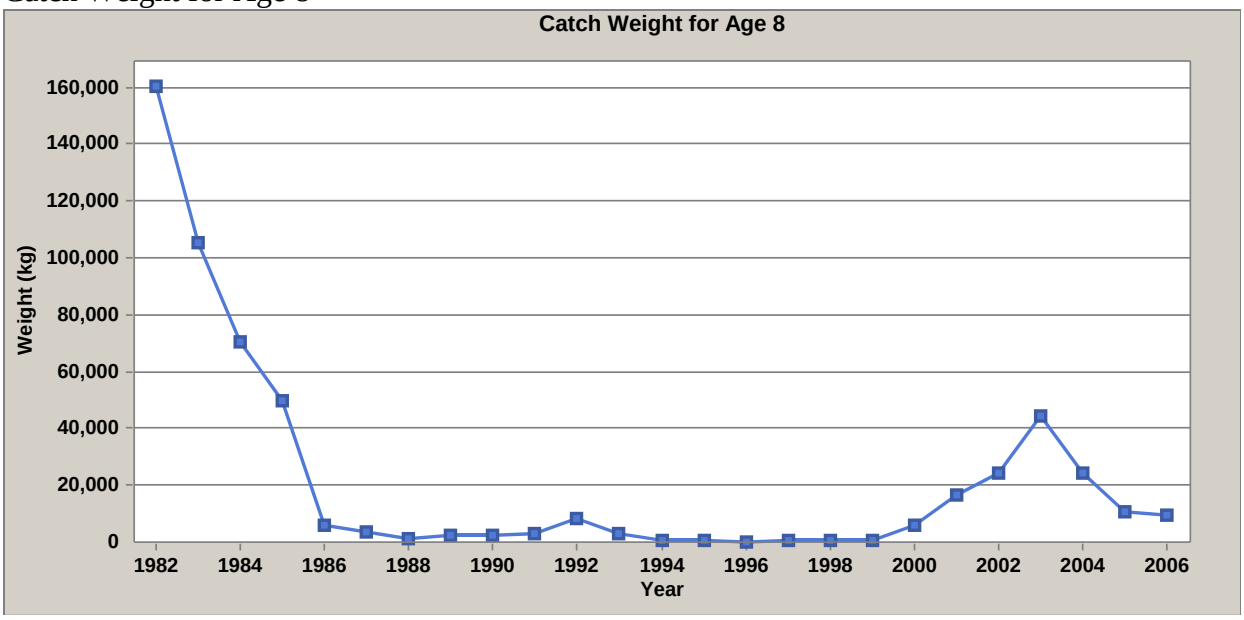
Catch Weight for Age 6



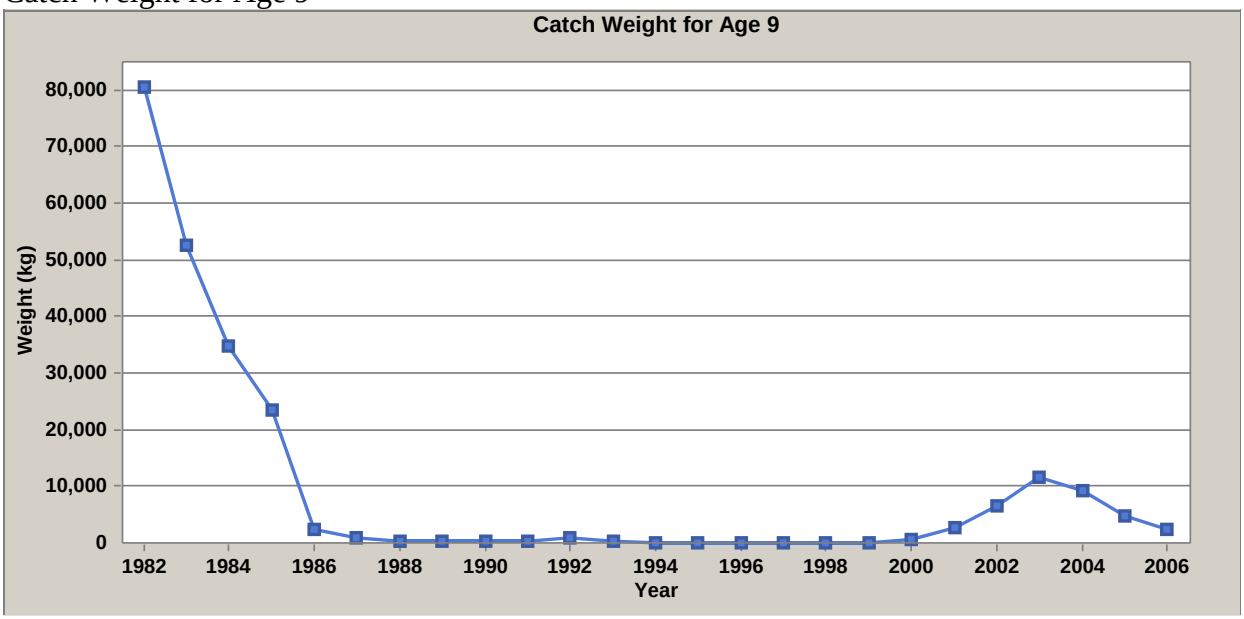
Catch Weight for Age 7



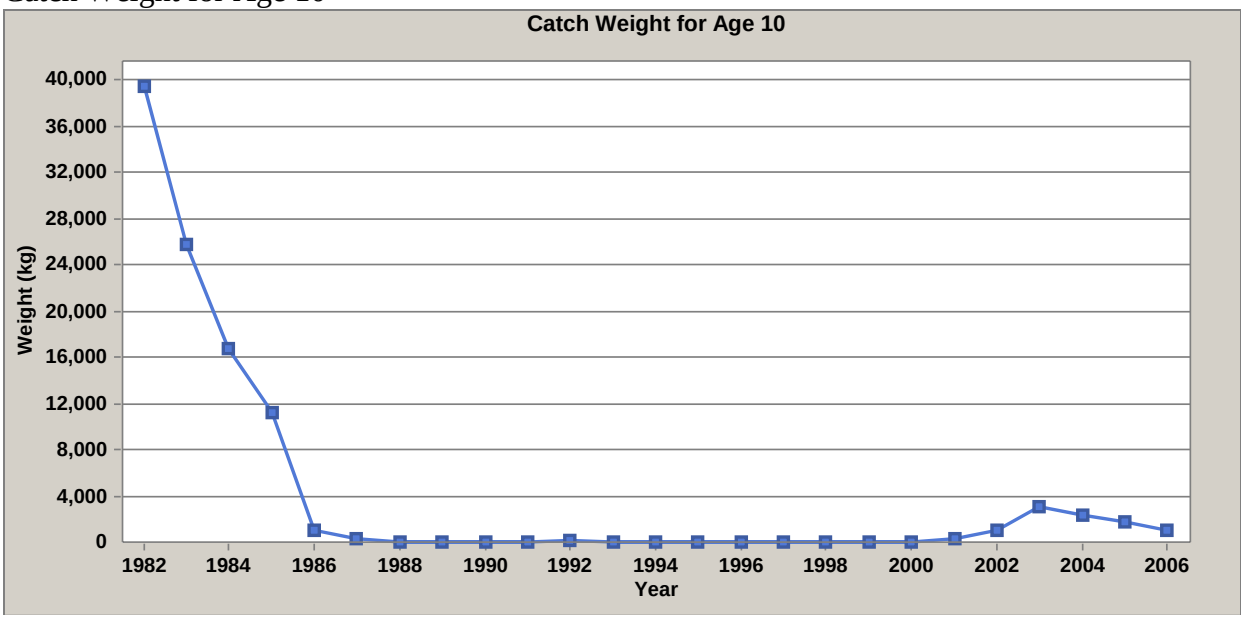
Catch Weight for Age 8



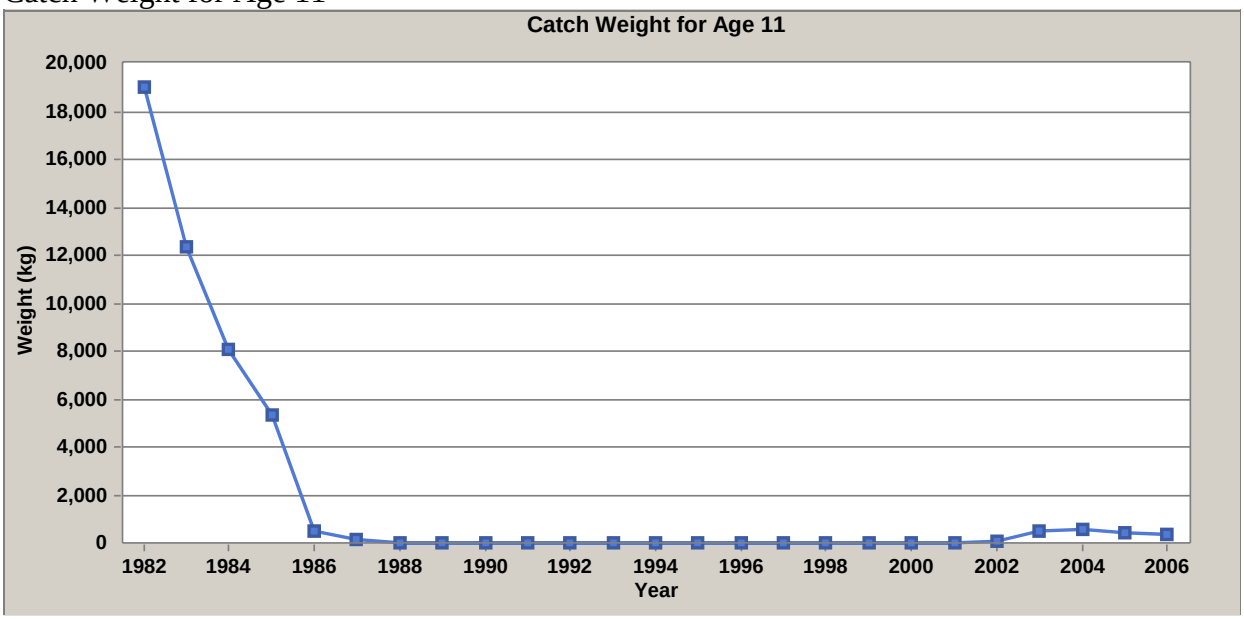
Catch Weight for Age 9



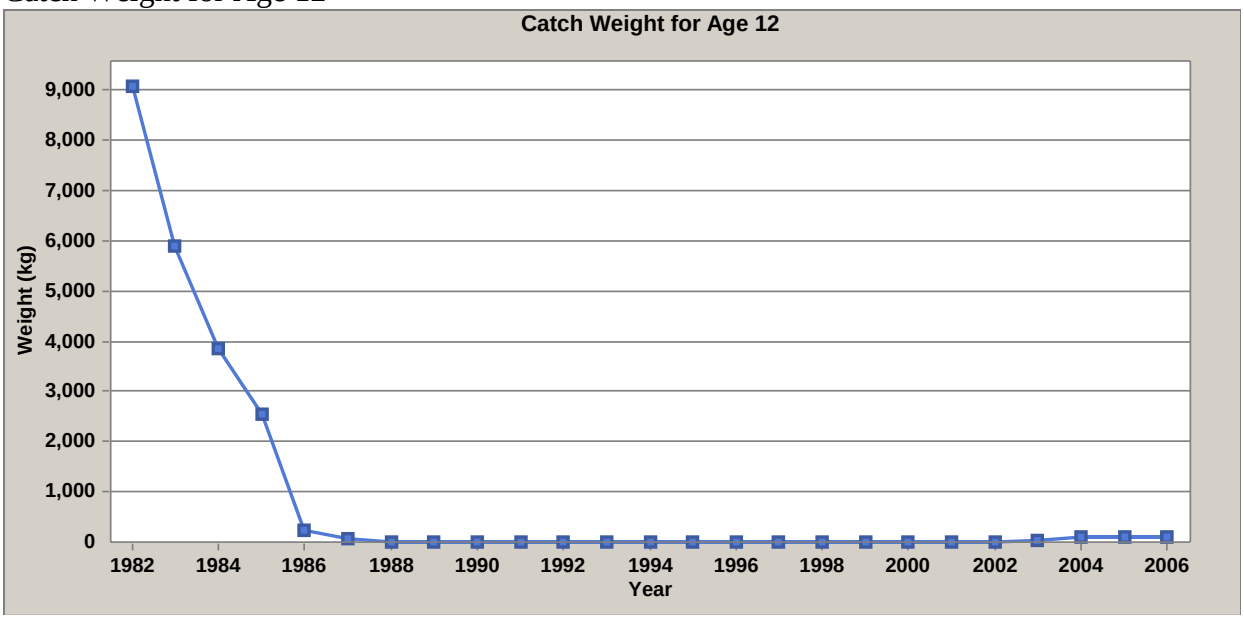
Catch Weight for Age 10



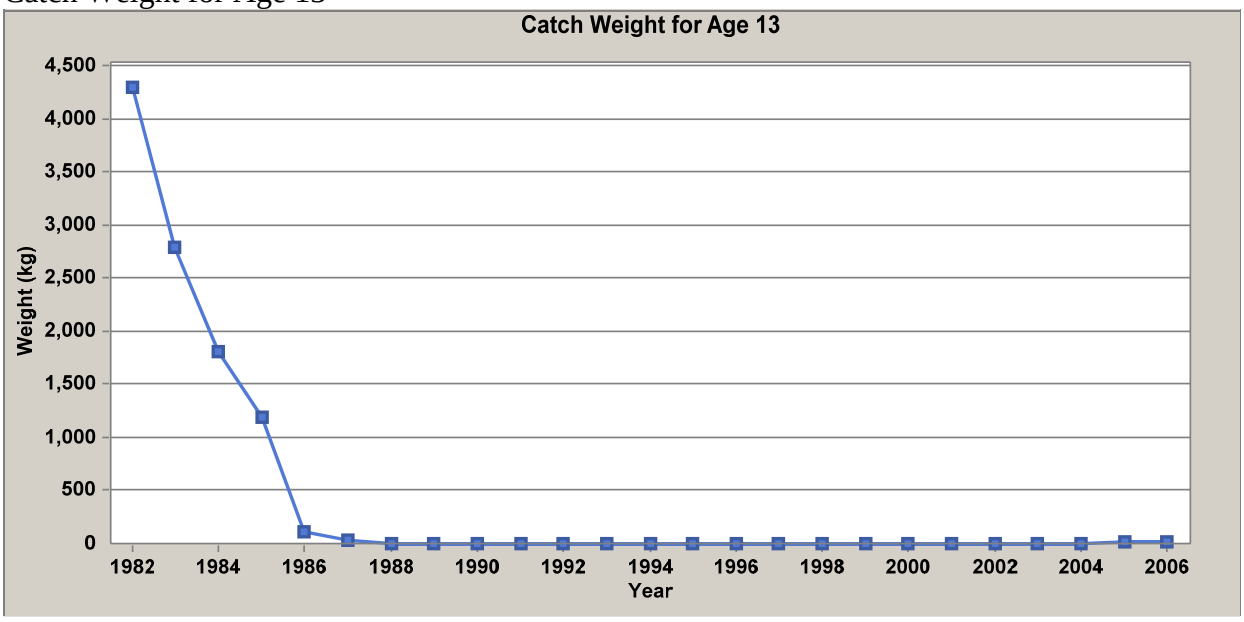
Catch Weight for Age 11



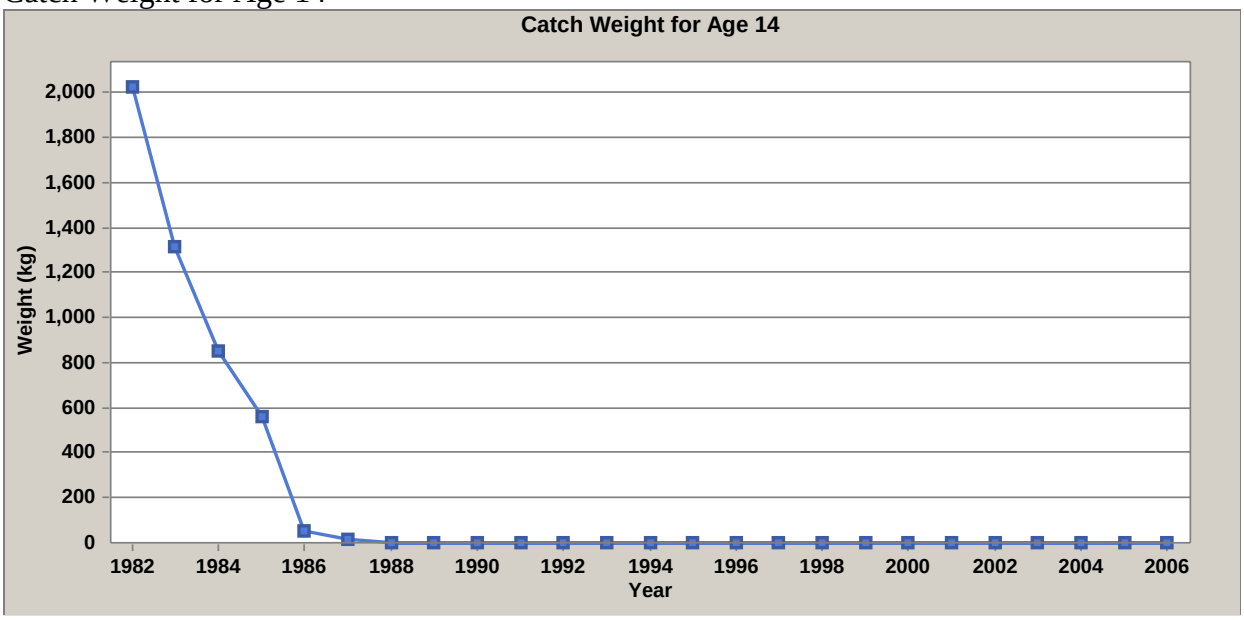
Catch Weight for Age 12



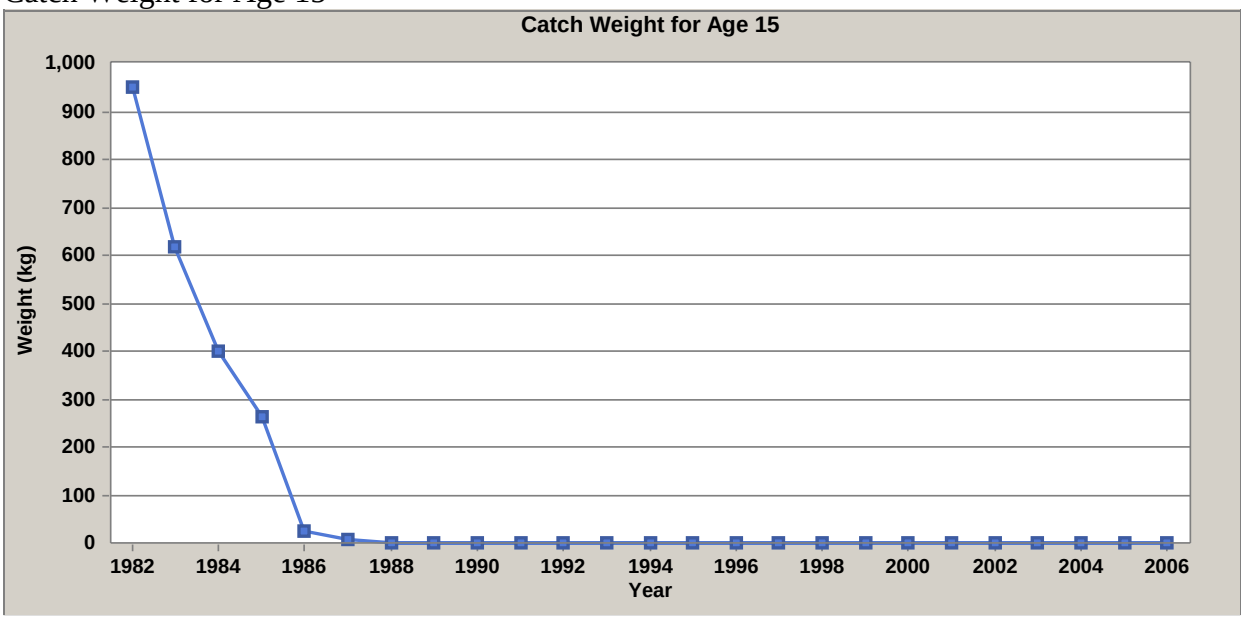
Catch Weight for Age 13



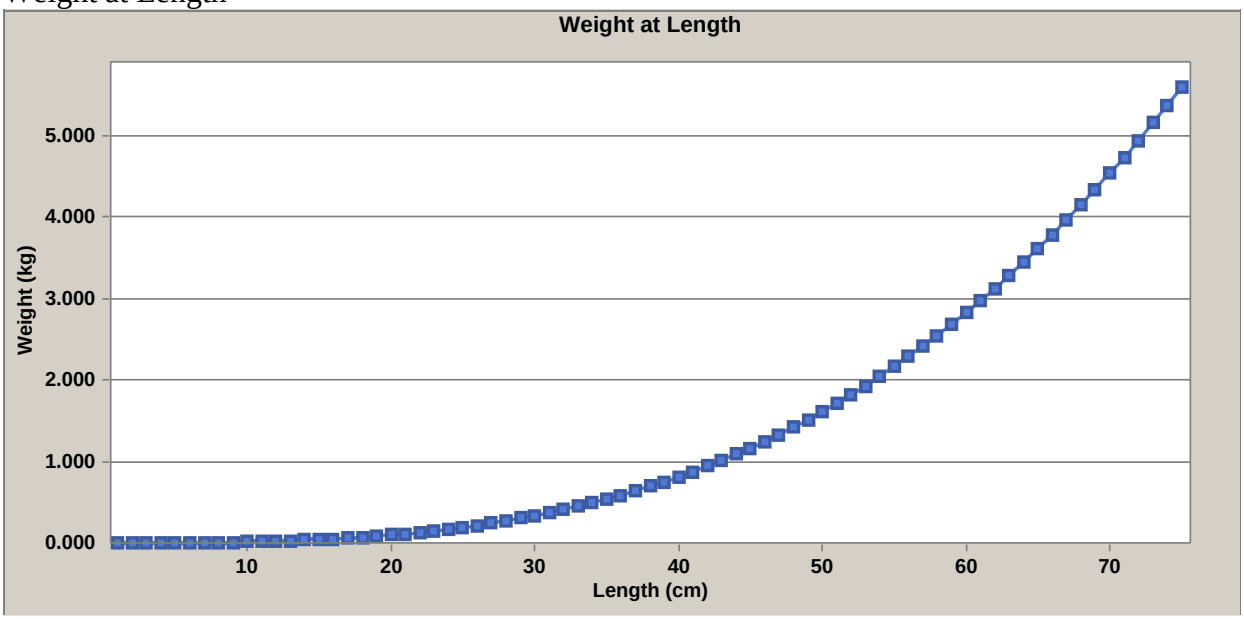
Catch Weight for Age 14



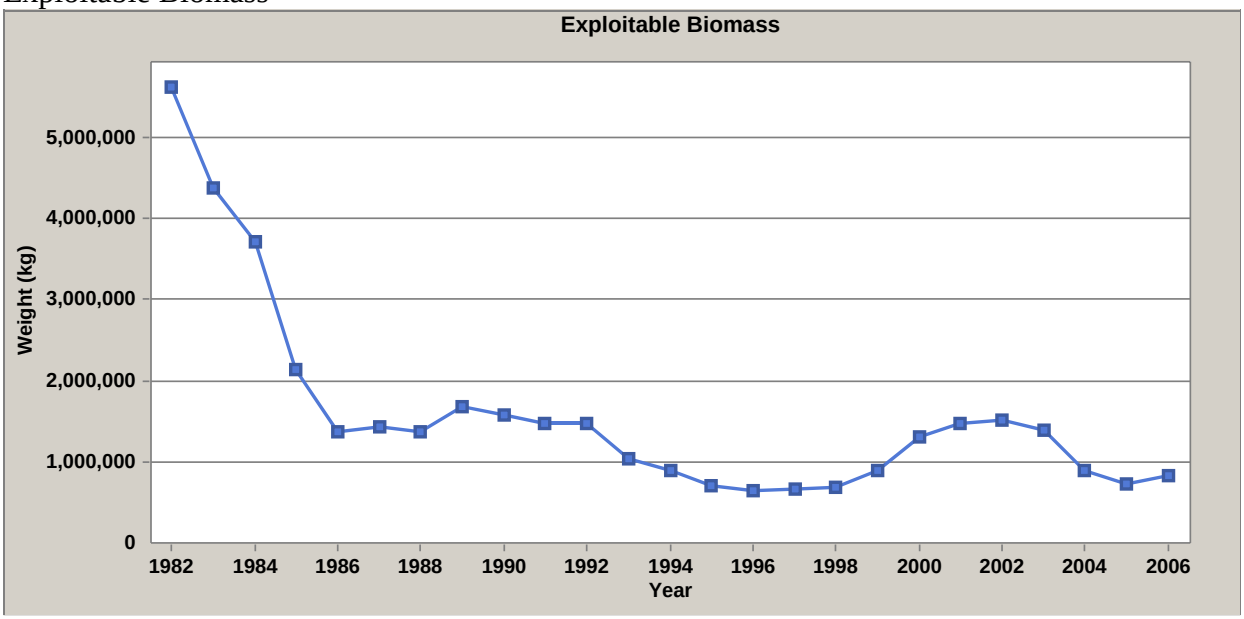
Catch Weight for Age 15



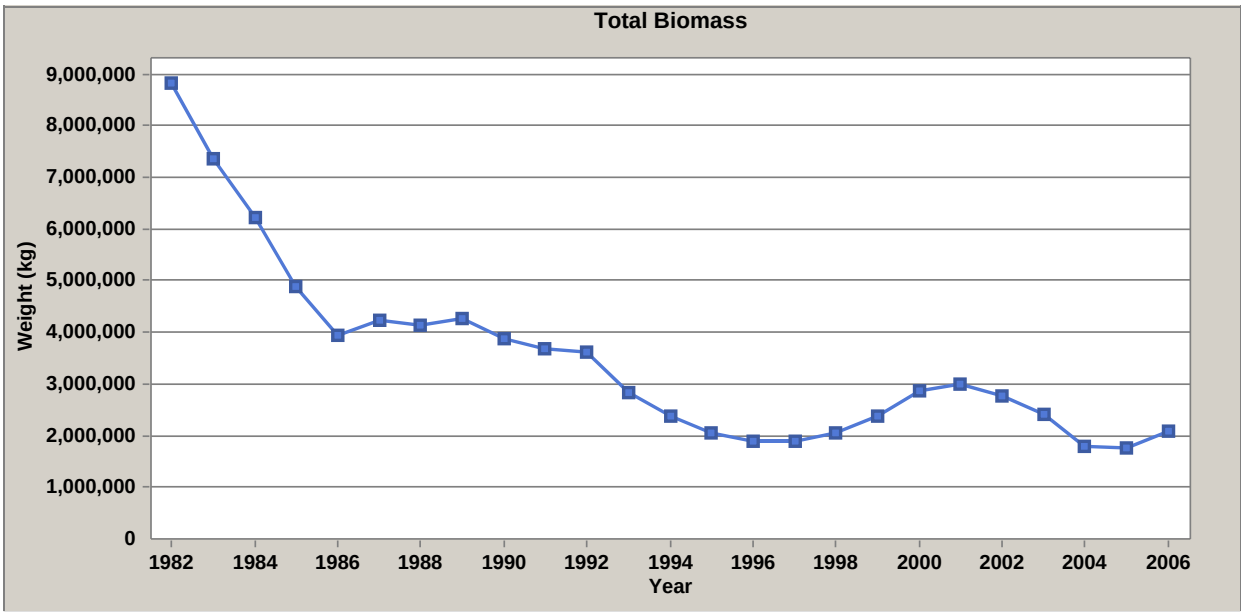
Weight at Length



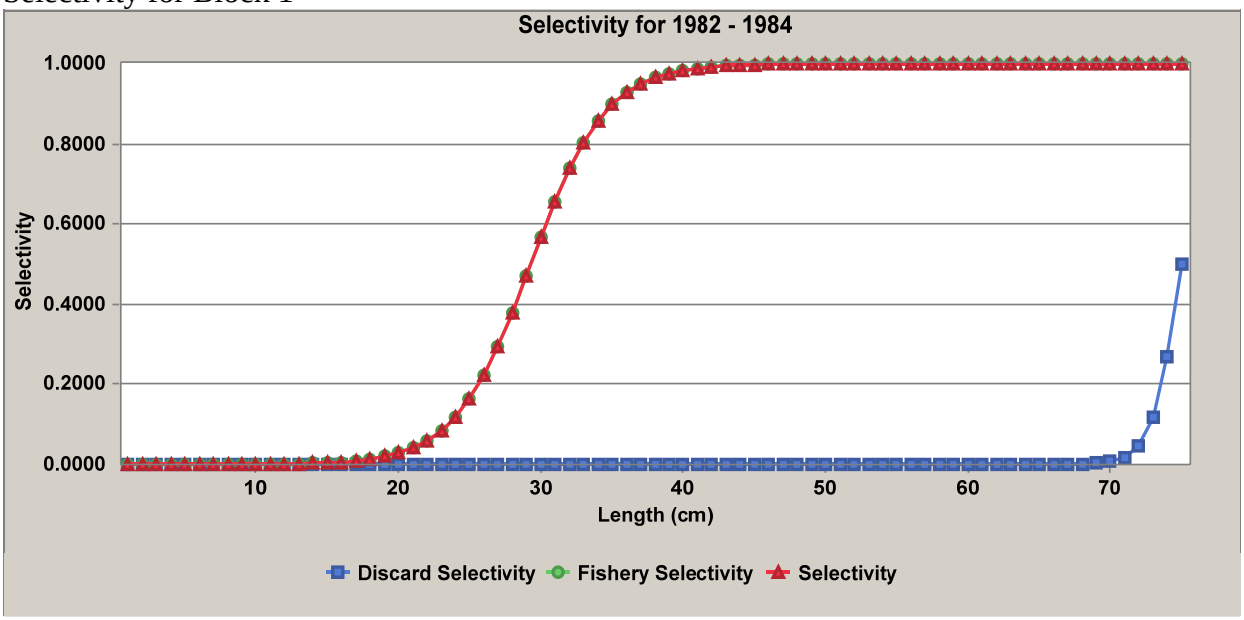
Exploitable Biomass



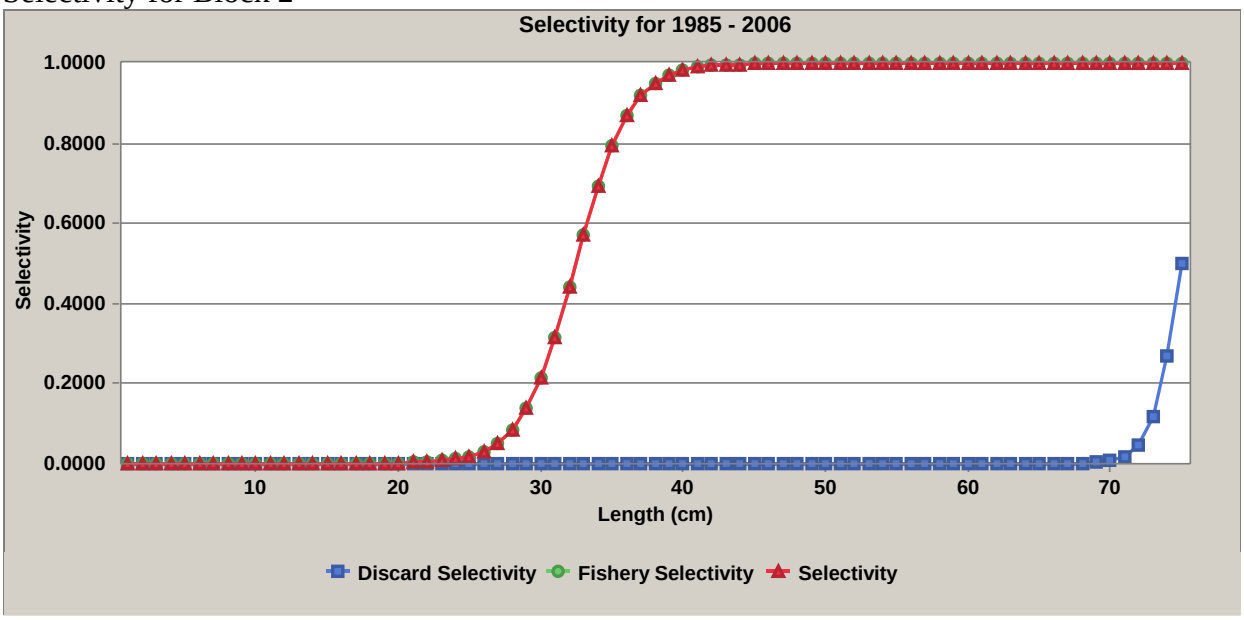
Total Biomass



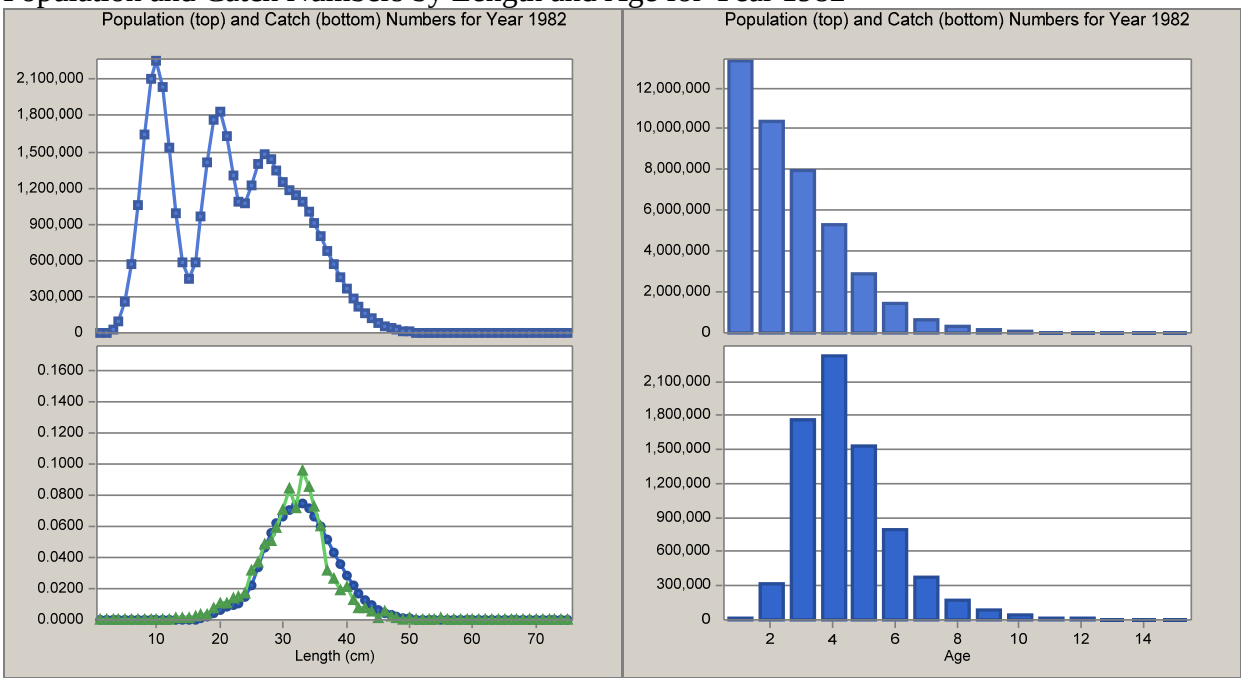
Selectivity for Block 1



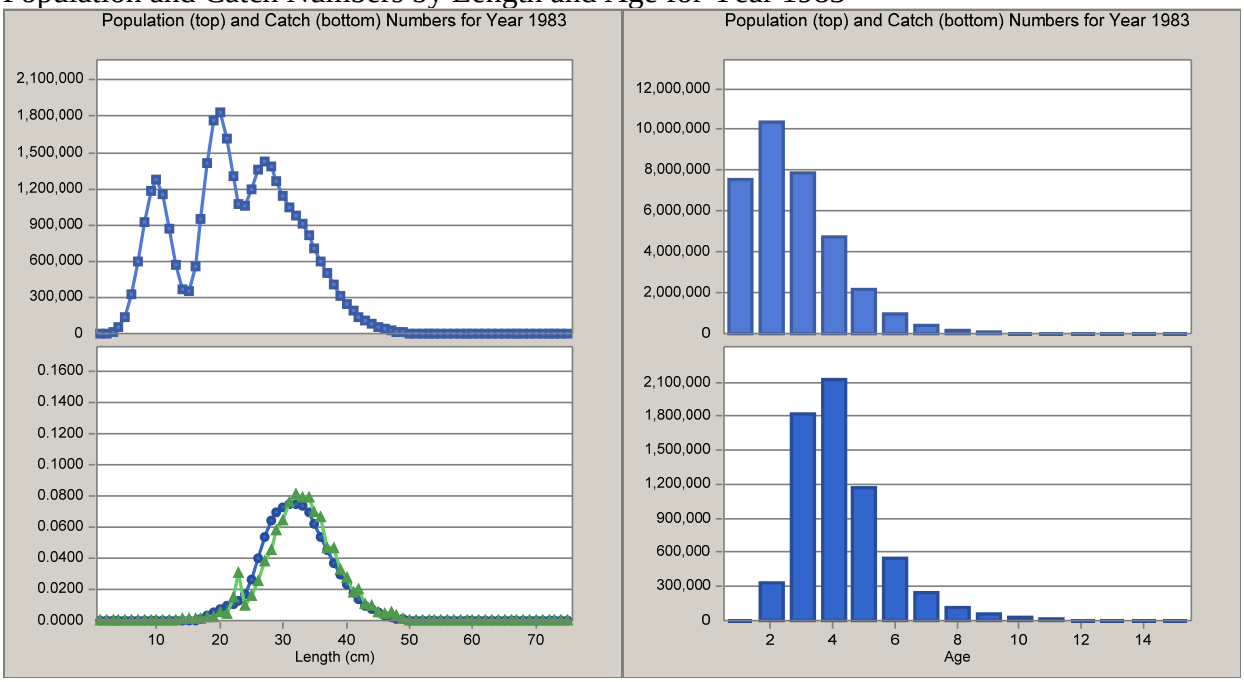
Selectivity for Block 2



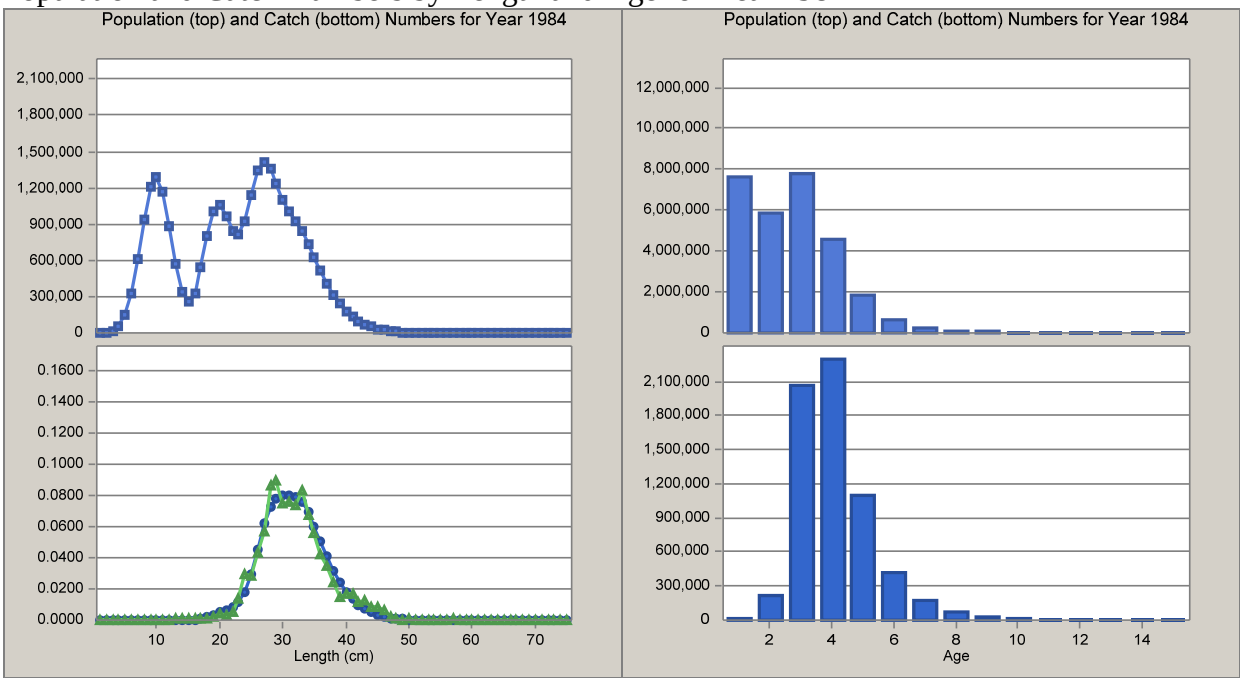
Population and Catch Numbers by Length and Age for Year 1982



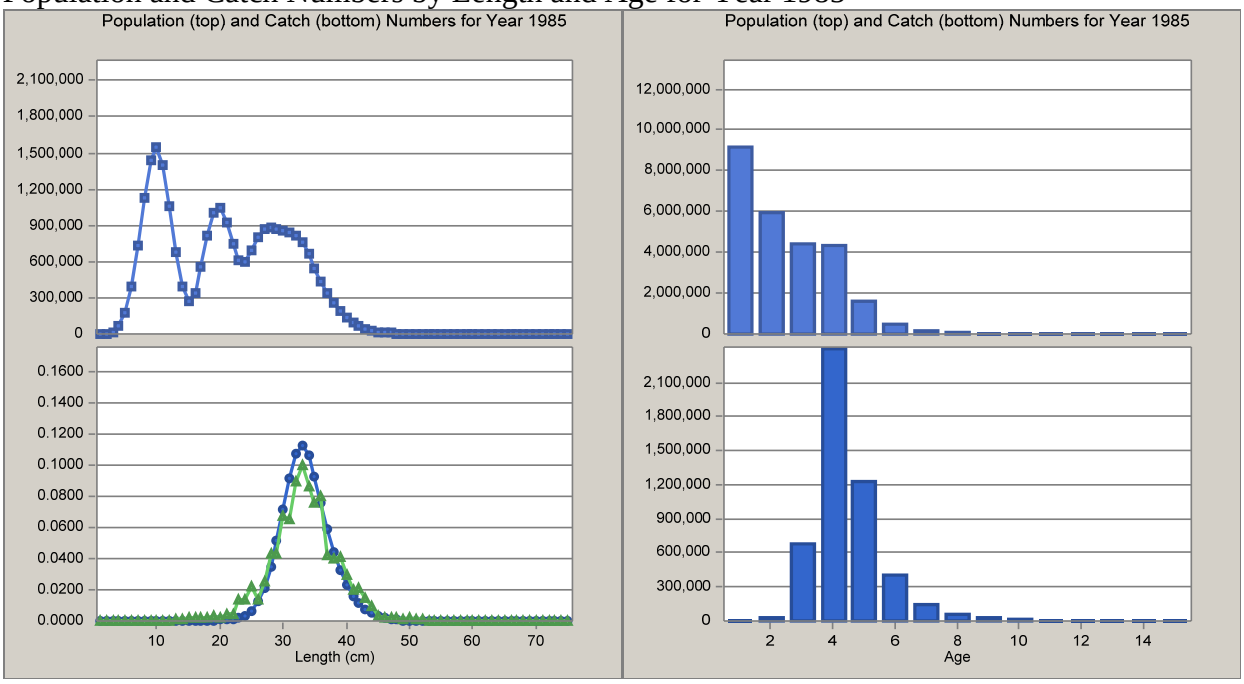
Population and Catch Numbers by Length and Age for Year 1983



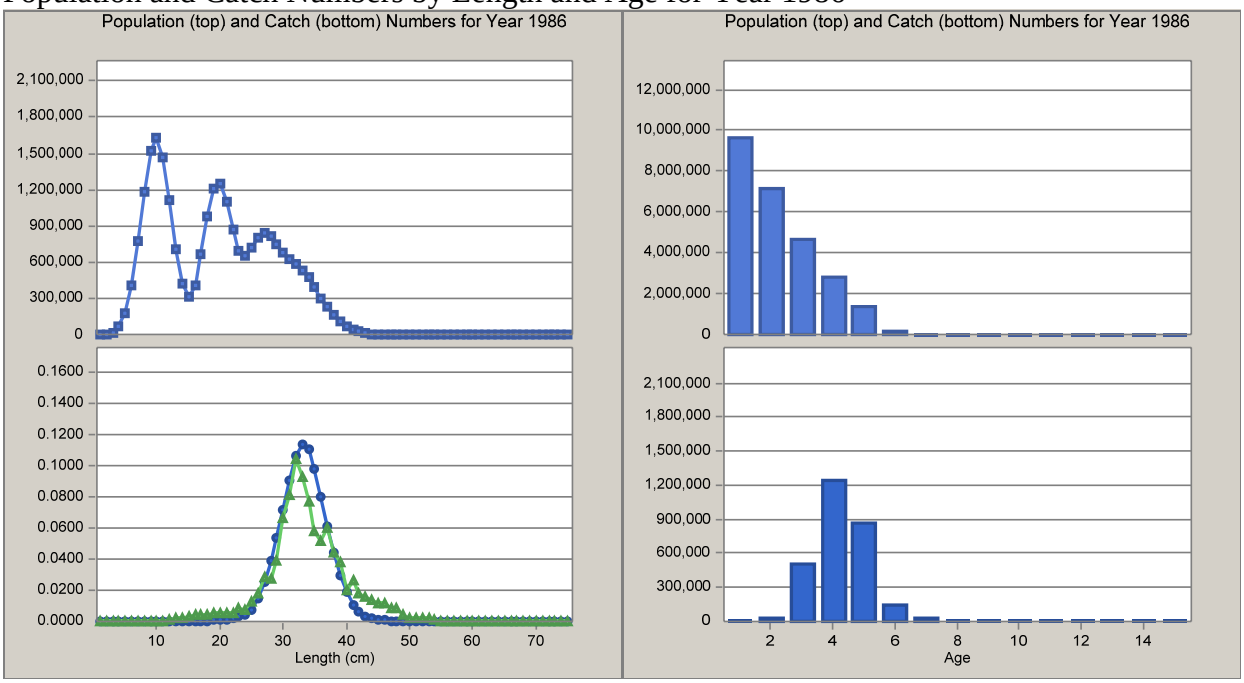
Population and Catch Numbers by Length and Age for Year 1984



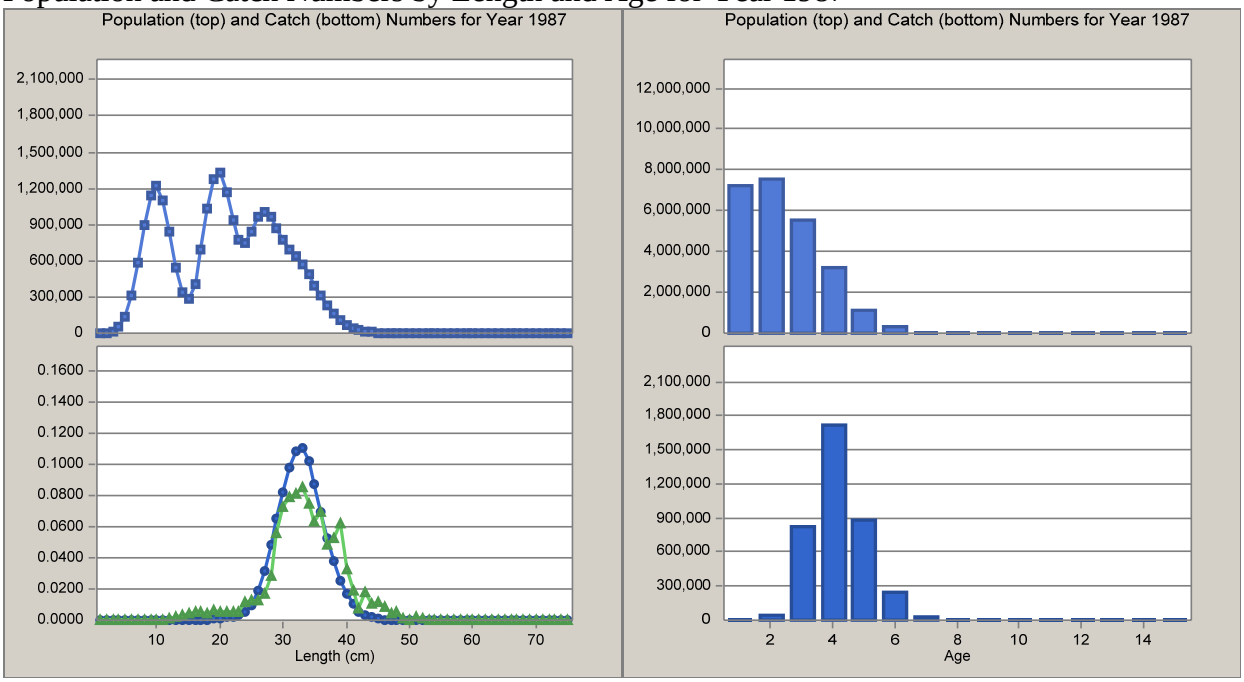
Population and Catch Numbers by Length and Age for Year 1985



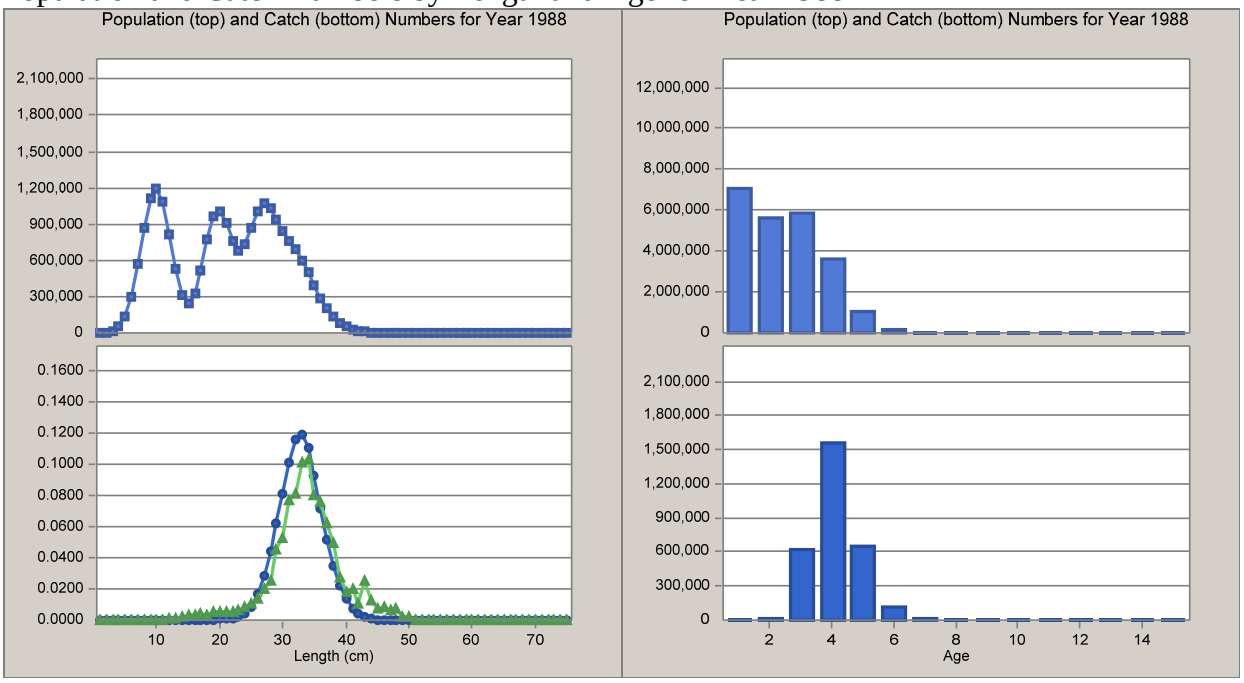
Population and Catch Numbers by Length and Age for Year 1986



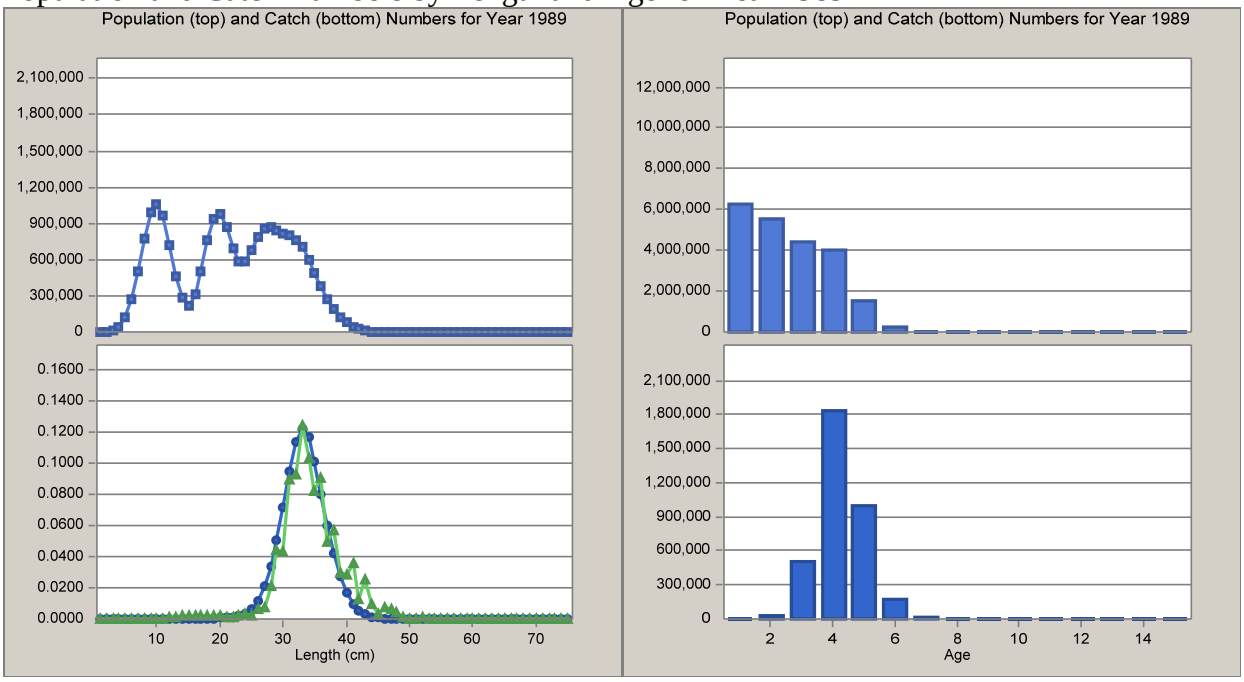
Population and Catch Numbers by Length and Age for Year 1987



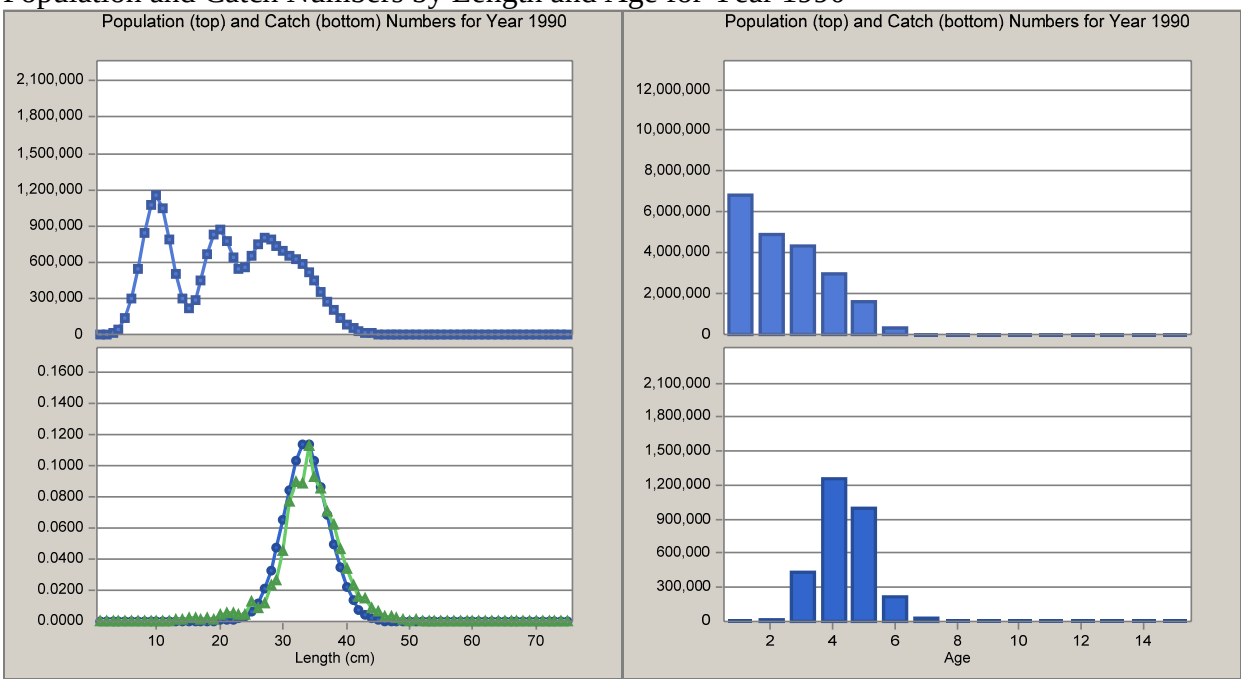
Population and Catch Numbers by Length and Age for Year 1988



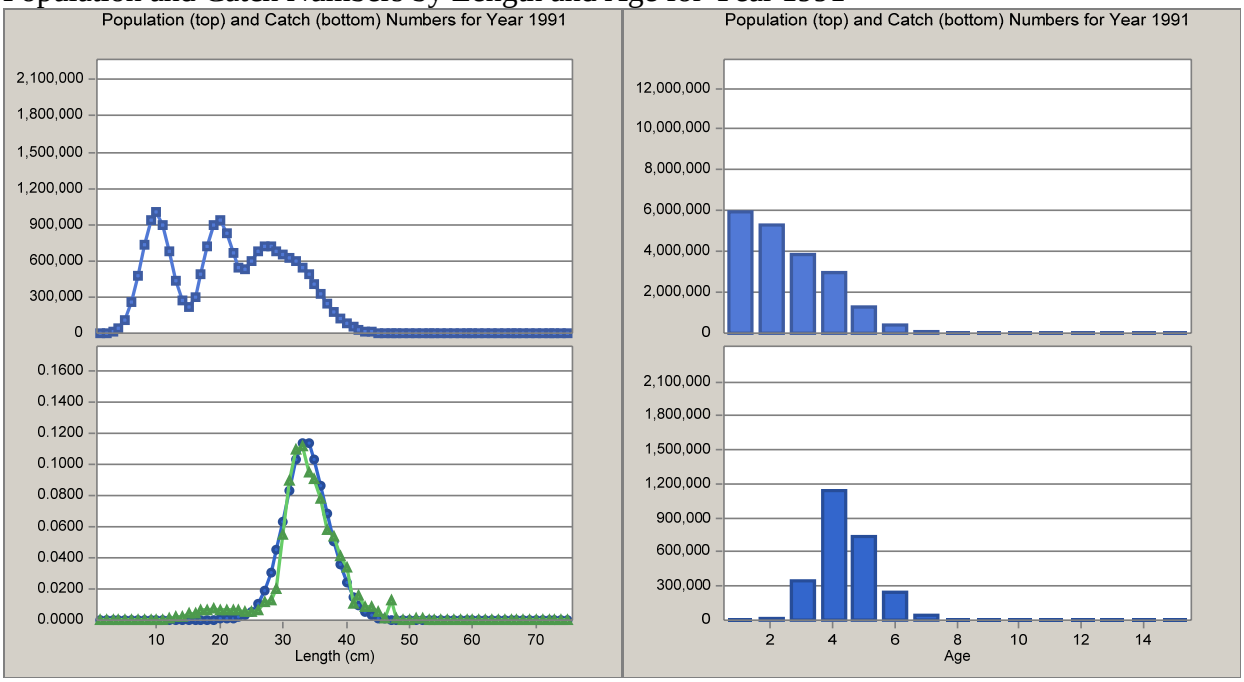
Population and Catch Numbers by Length and Age for Year 1989



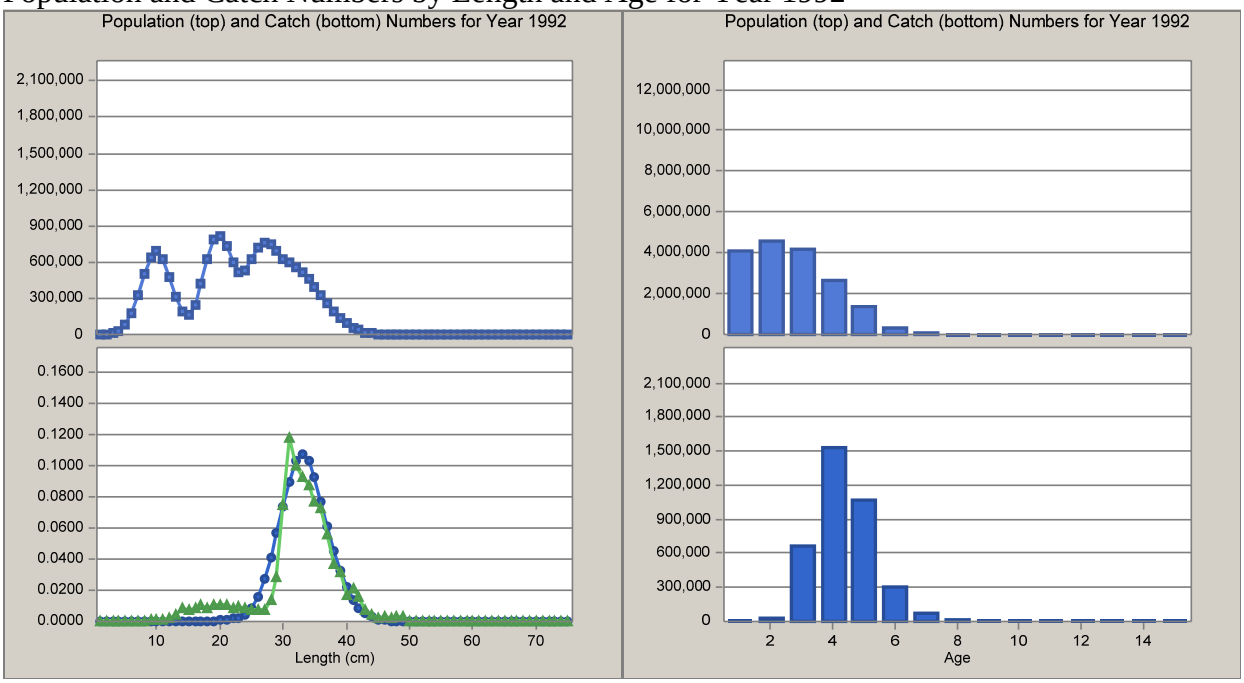
Population and Catch Numbers by Length and Age for Year 1990



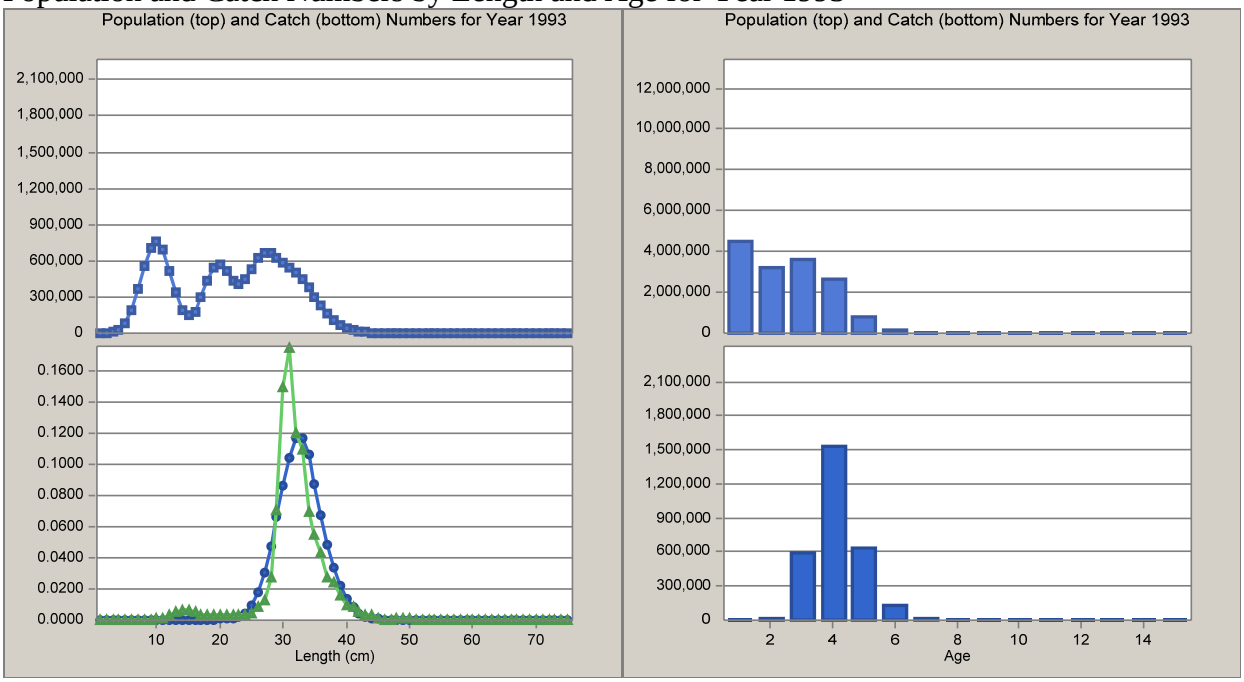
Population and Catch Numbers by Length and Age for Year 1991



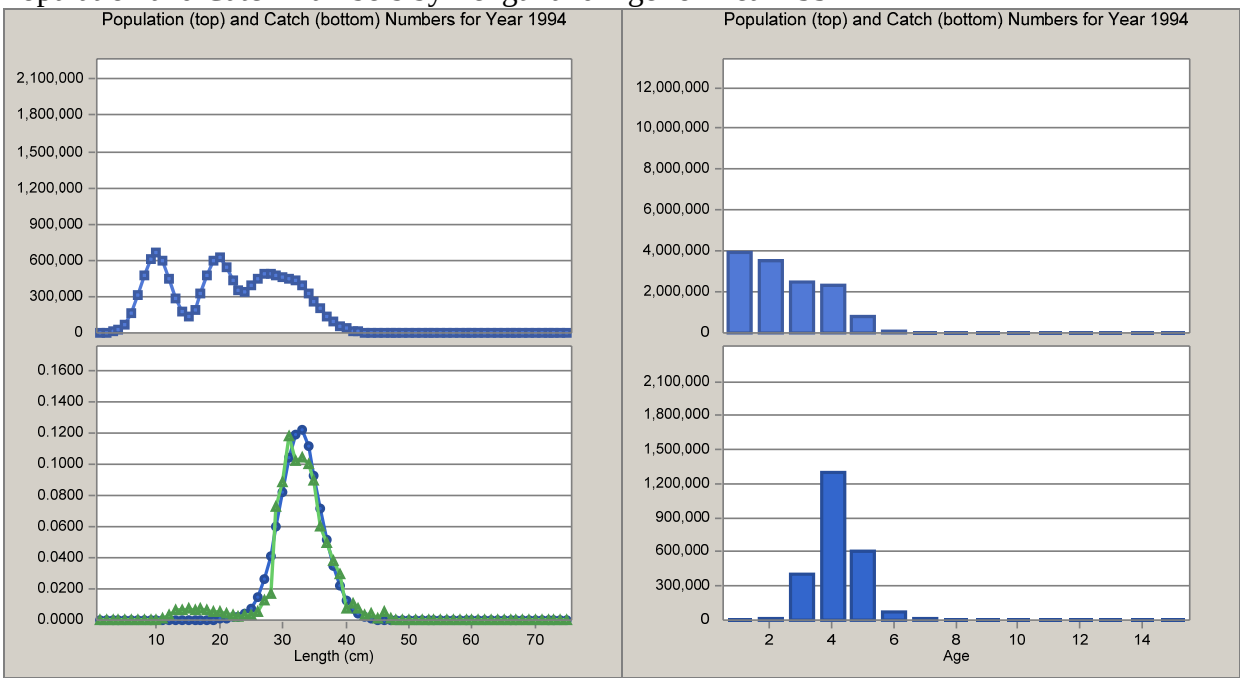
Population and Catch Numbers by Length and Age for Year 1992



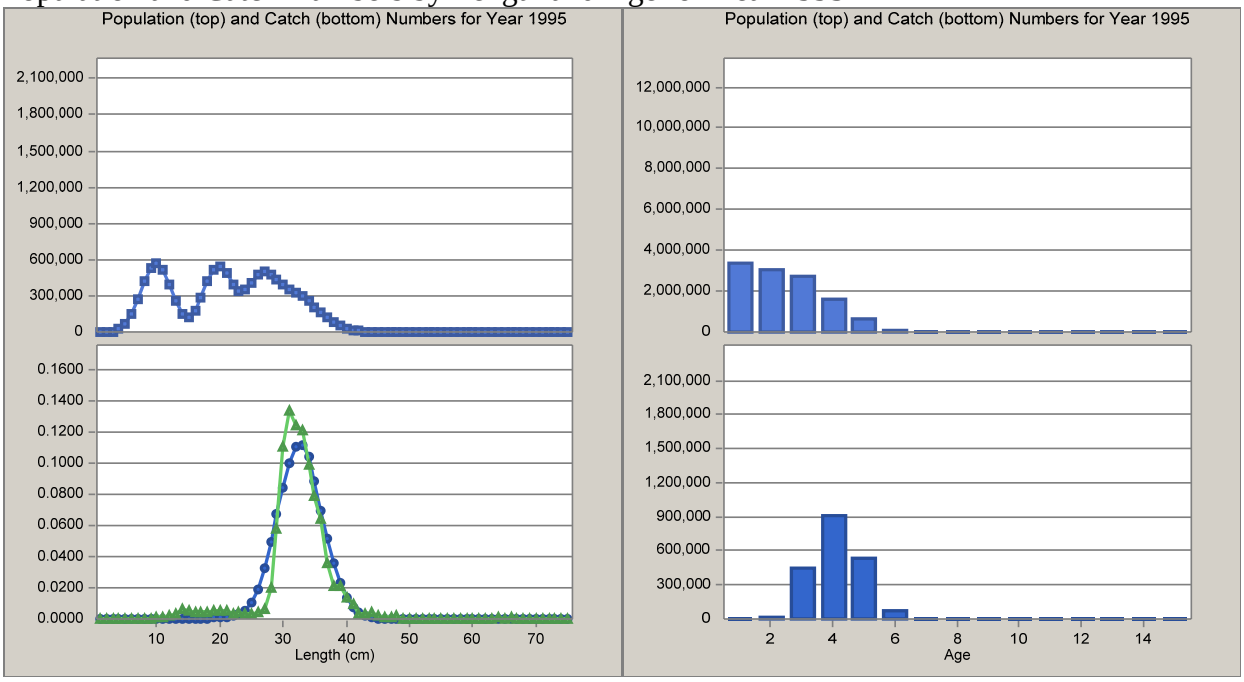
Population and Catch Numbers by Length and Age for Year 1993



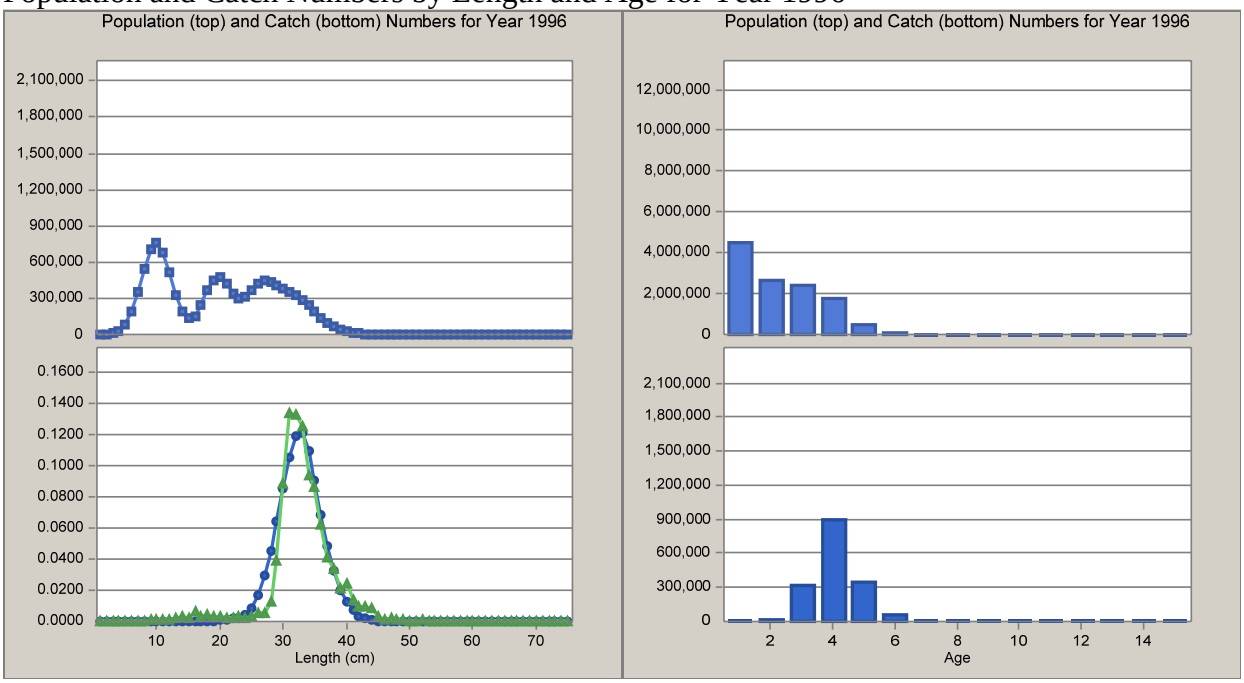
Population and Catch Numbers by Length and Age for Year 1994



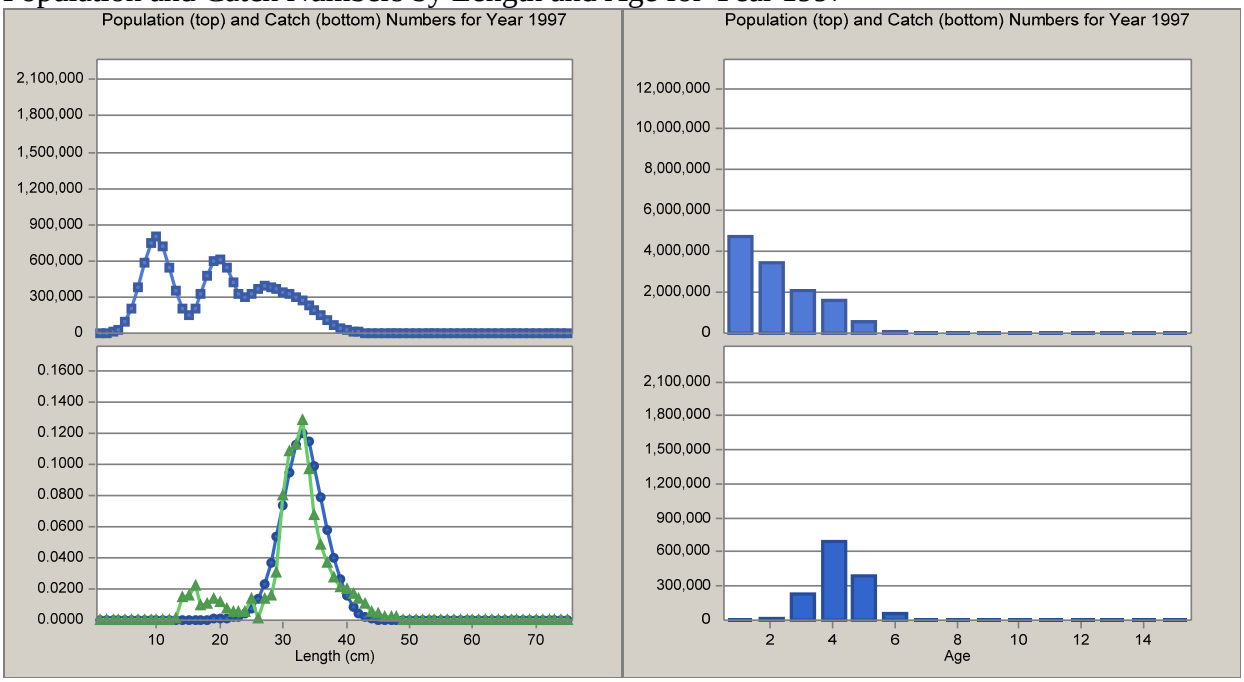
Population and Catch Numbers by Length and Age for Year 1995



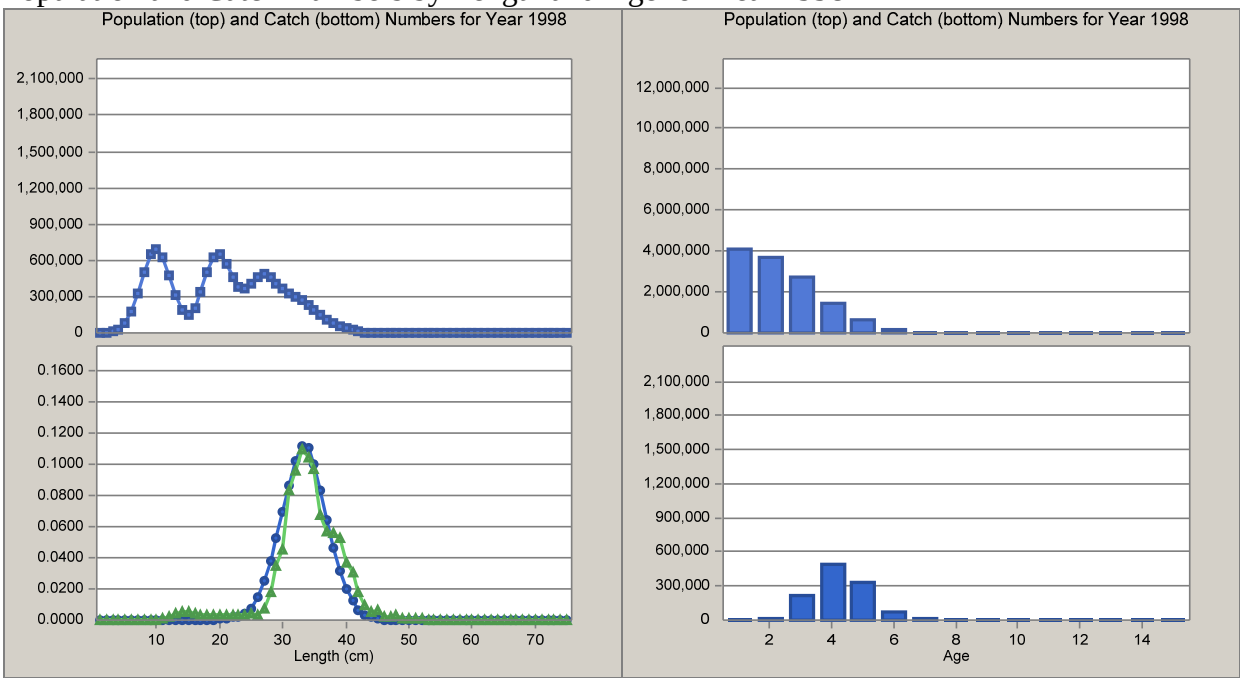
Population and Catch Numbers by Length and Age for Year 1996



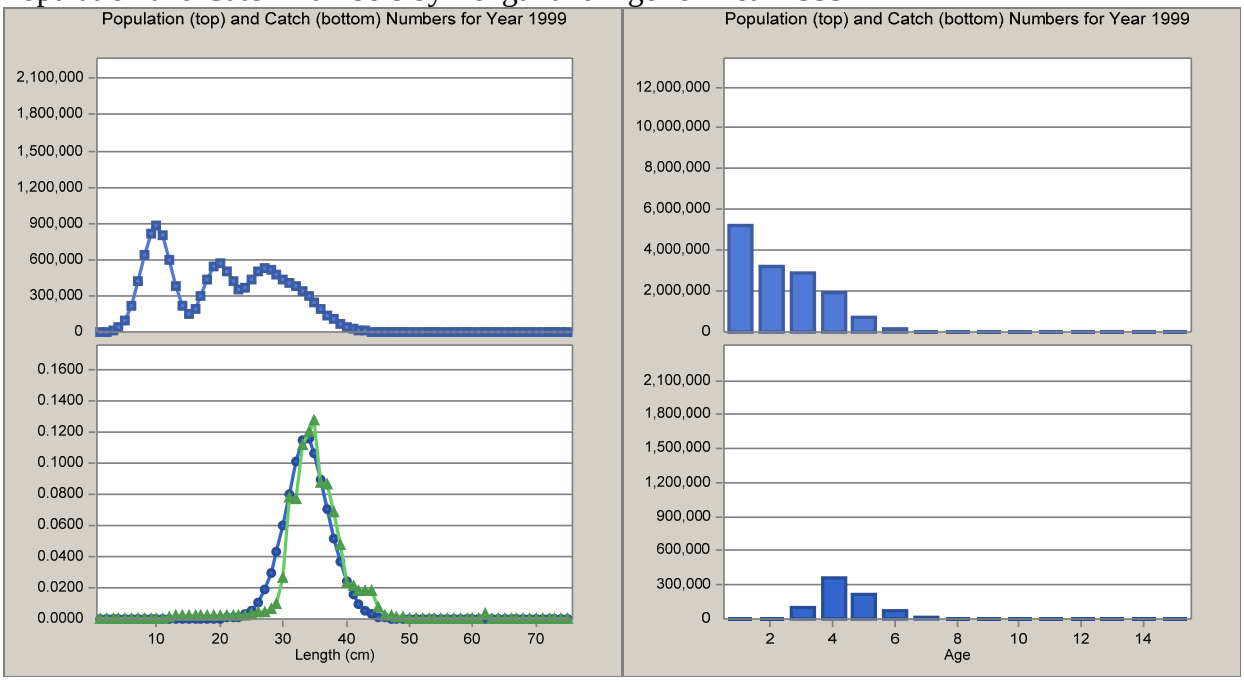
Population and Catch Numbers by Length and Age for Year 1997



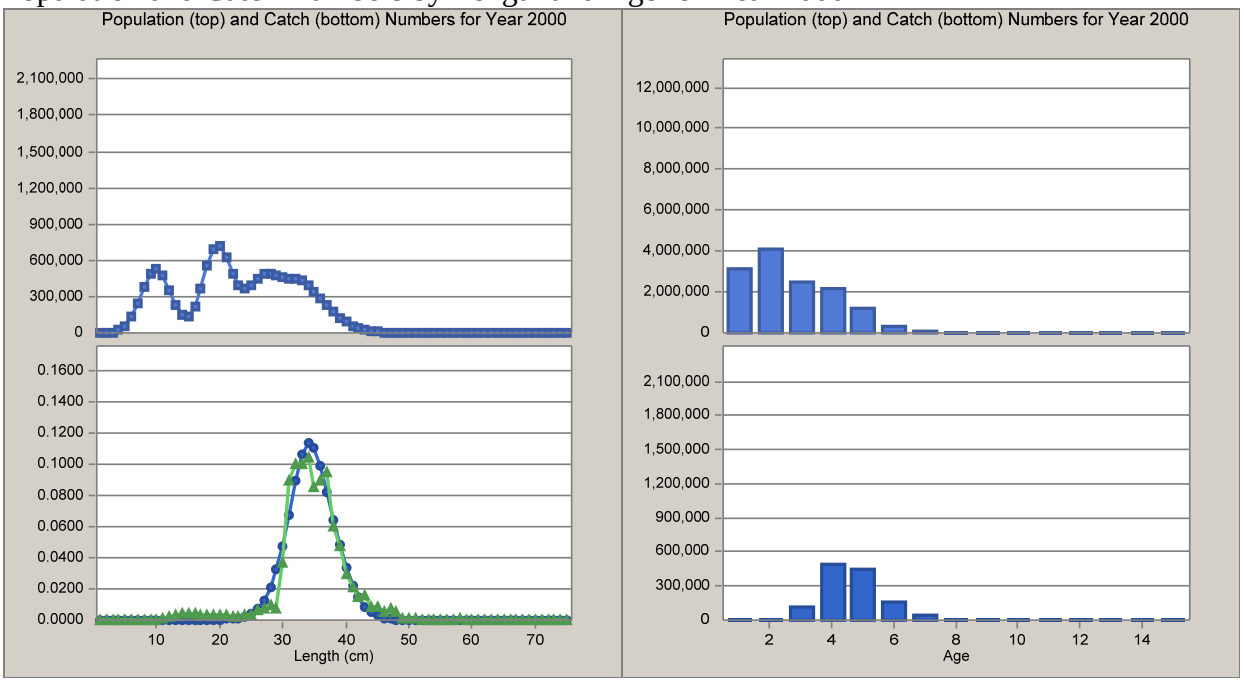
Population and Catch Numbers by Length and Age for Year 1998



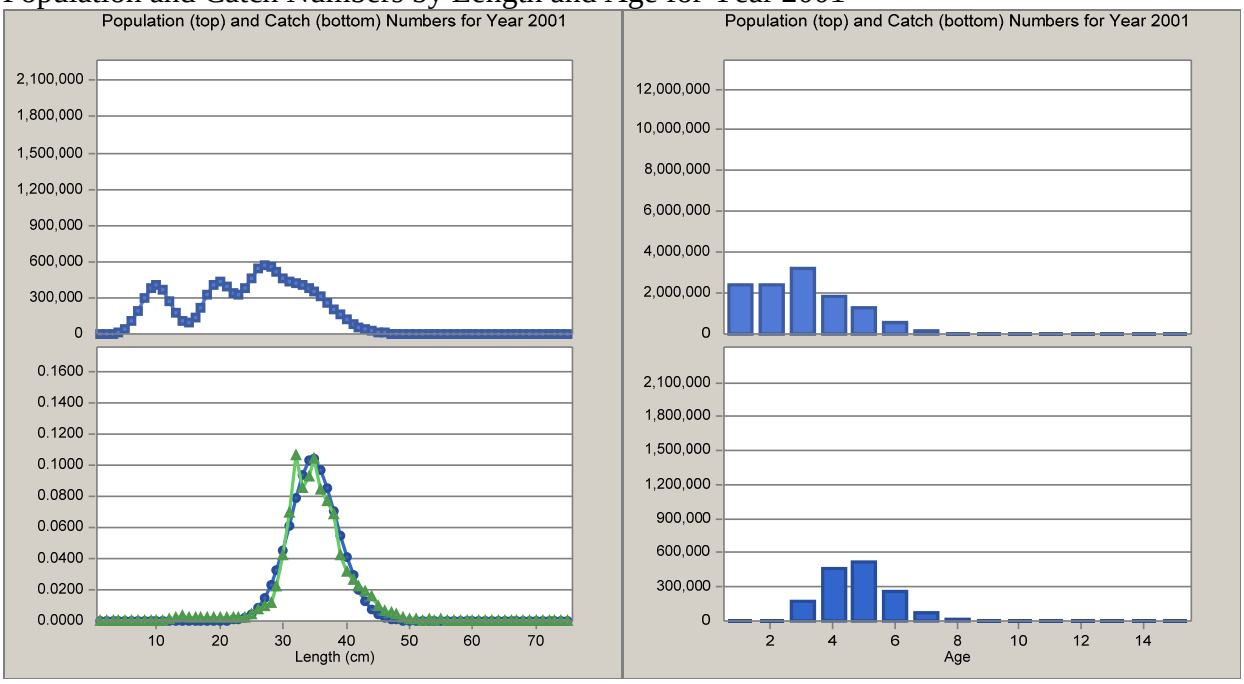
Population and Catch Numbers by Length and Age for Year 1999



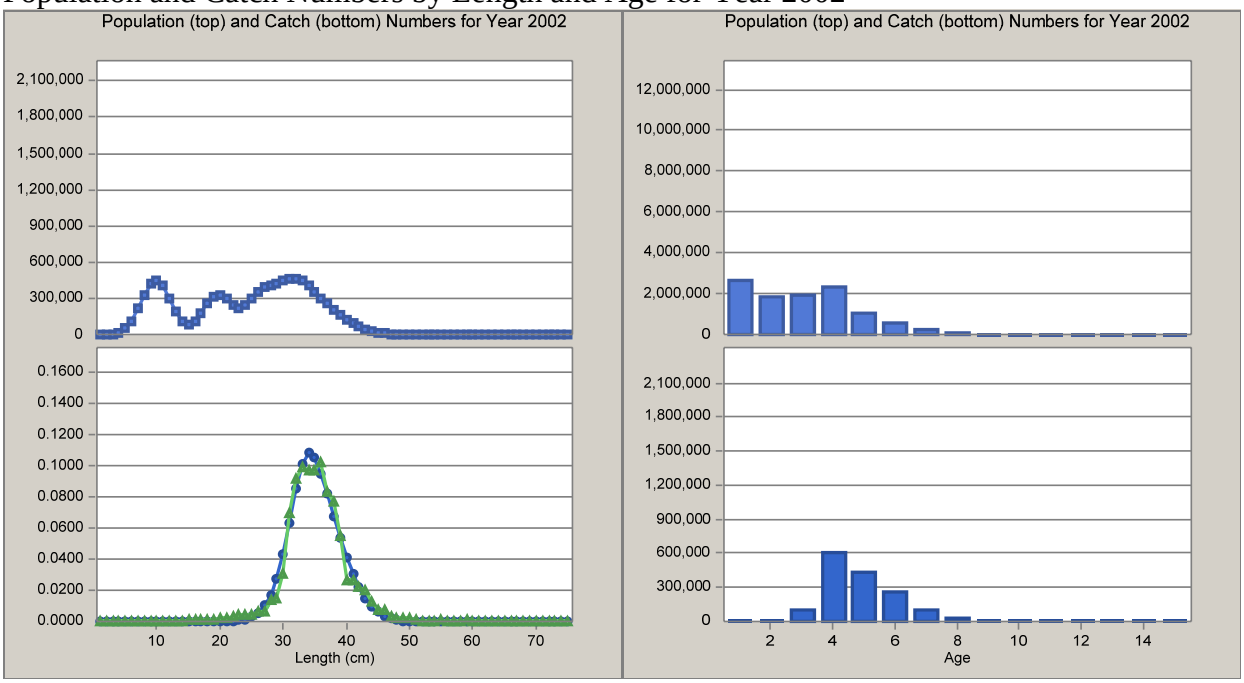
Population and Catch Numbers by Length and Age for Year 2000



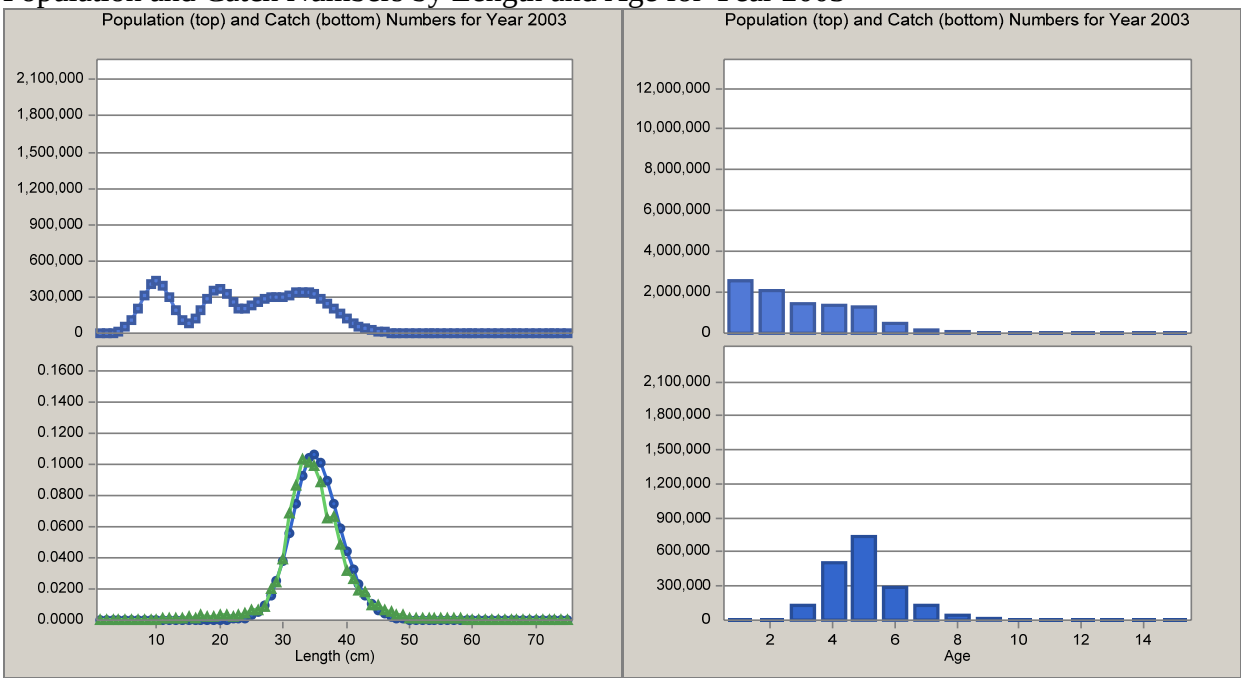
Population and Catch Numbers by Length and Age for Year 2001



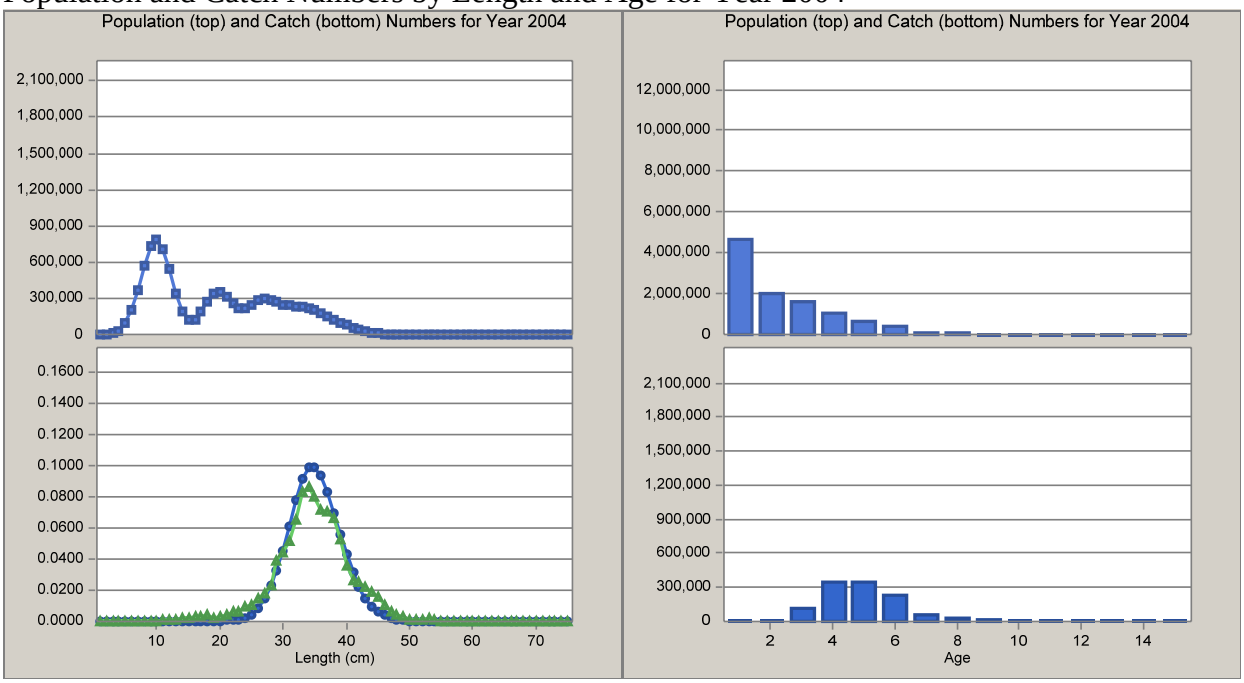
Population and Catch Numbers by Length and Age for Year 2002



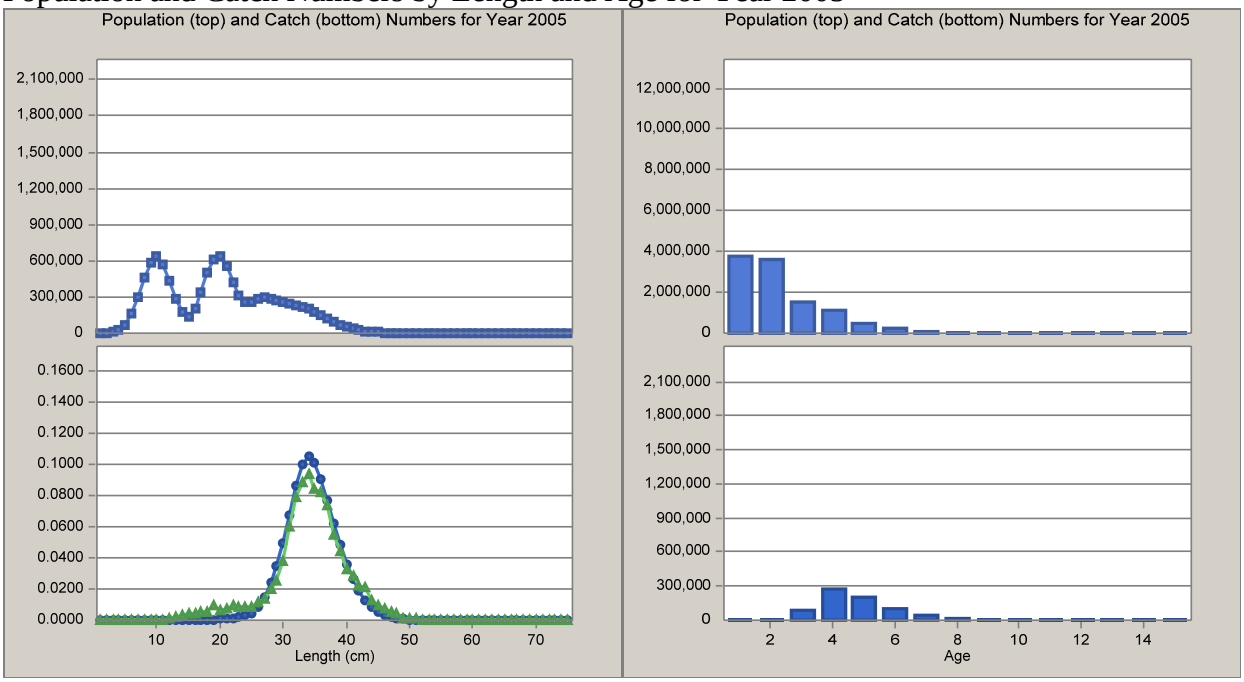
Population and Catch Numbers by Length and Age for Year 2003



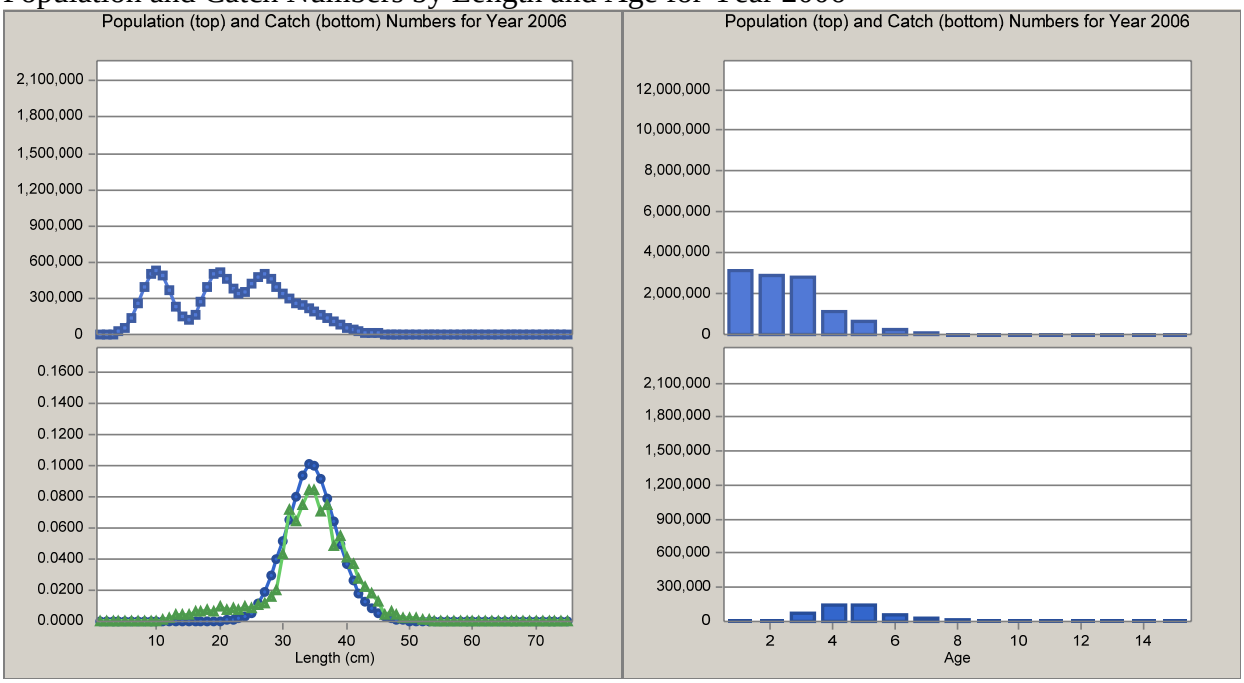
Population and Catch Numbers by Length and Age for Year 2004



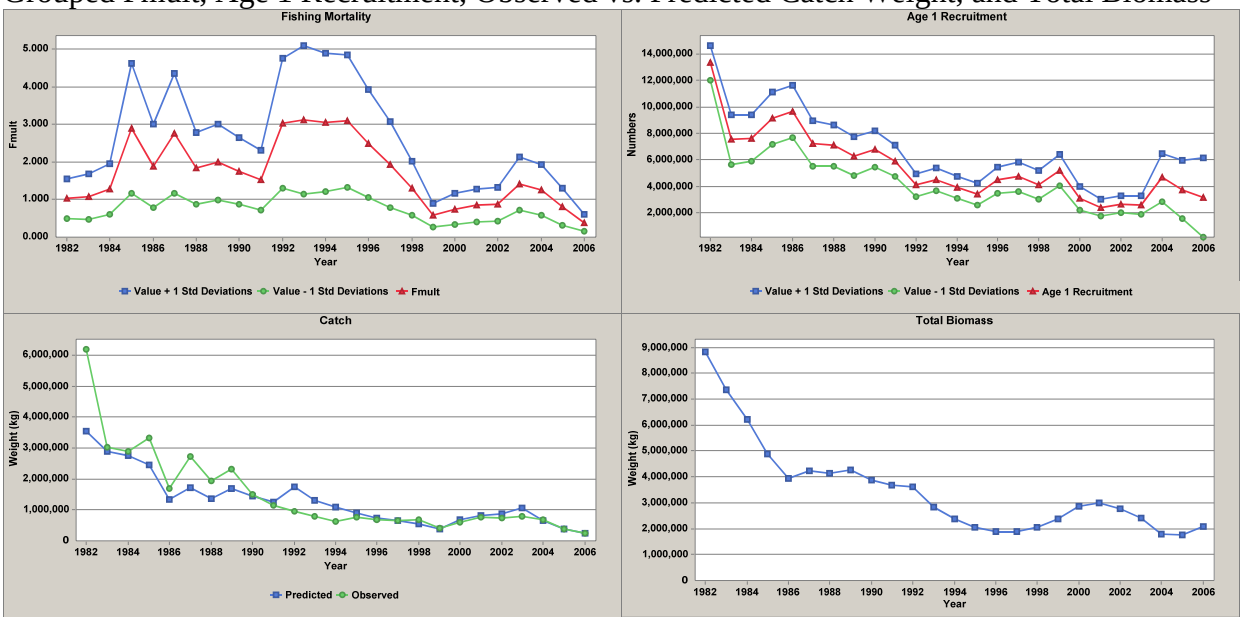
Population and Catch Numbers by Length and Age for Year 2005



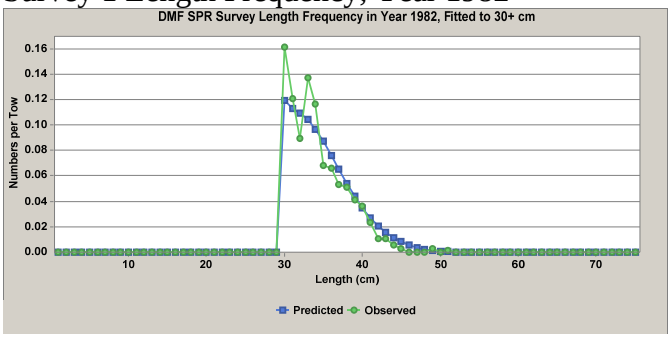
Population and Catch Numbers by Length and Age for Year 2006



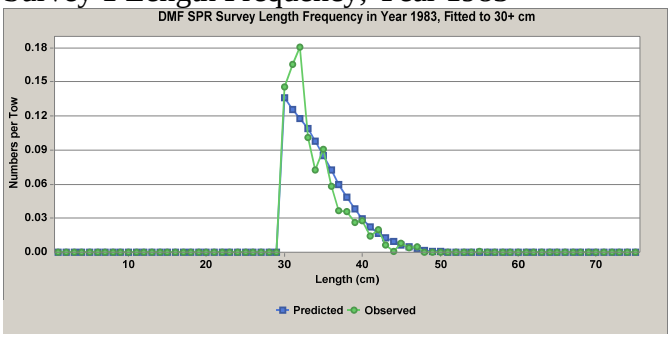
Grouped Fmult, Age 1 Recruitment, Observed vs. Predicted Catch Weight, and Total Biomass



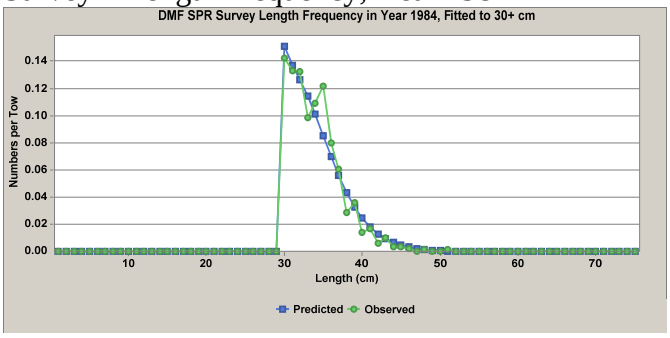
Survey 1 Length Frequency, Year 1982



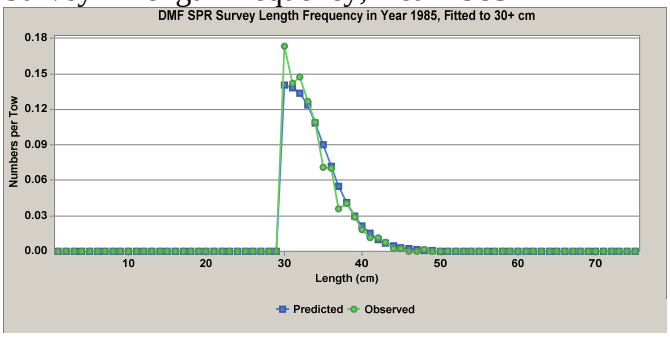
Survey 1 Length Frequency, Year 1983



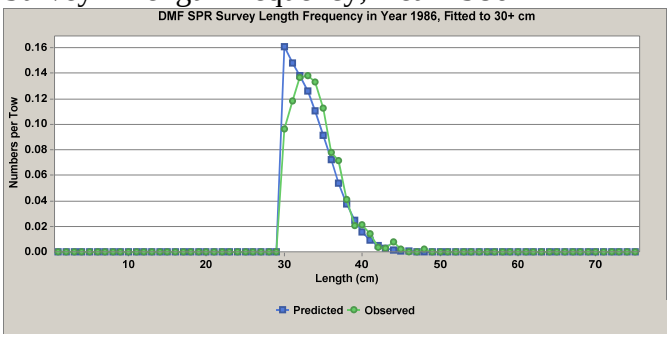
Survey 1 Length Frequency, Year 1984



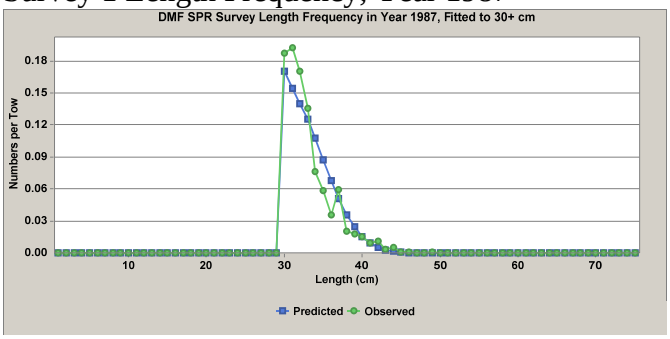
Survey 1 Length Frequency, Year 1985



Survey 1 Length Frequency, Year 1986



Survey 1 Length Frequency, Year 1987



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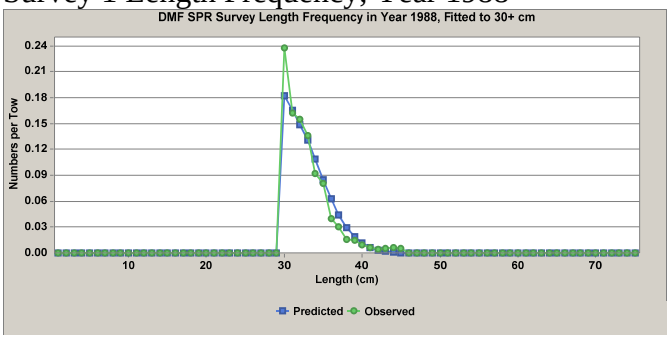

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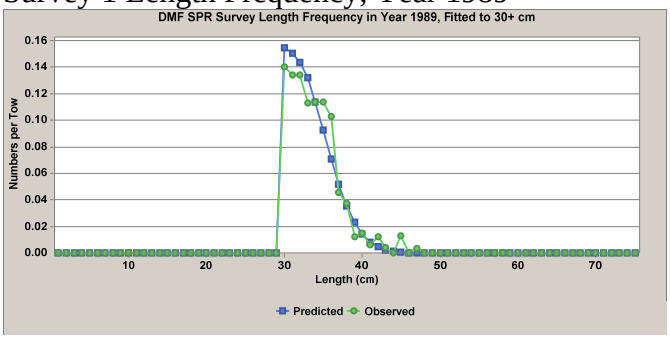

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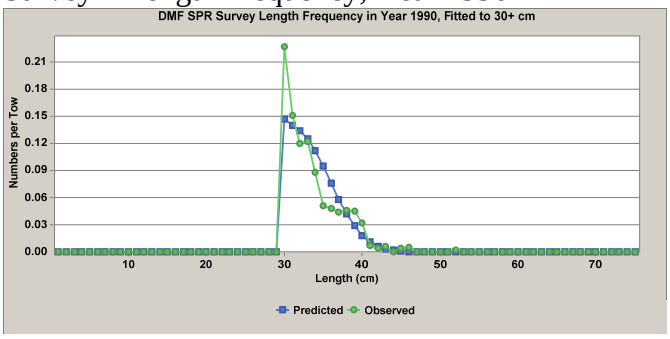

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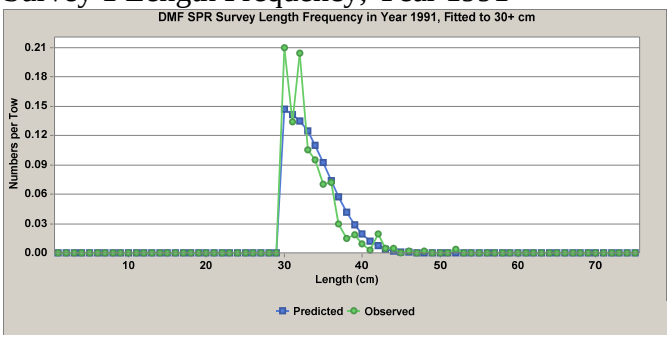

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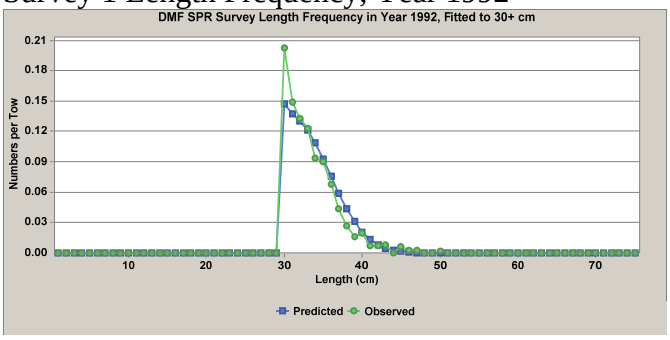

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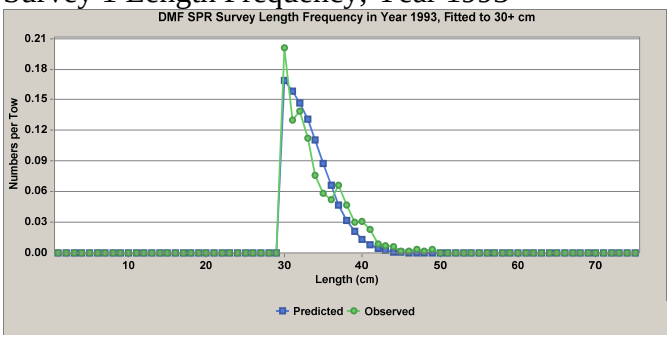

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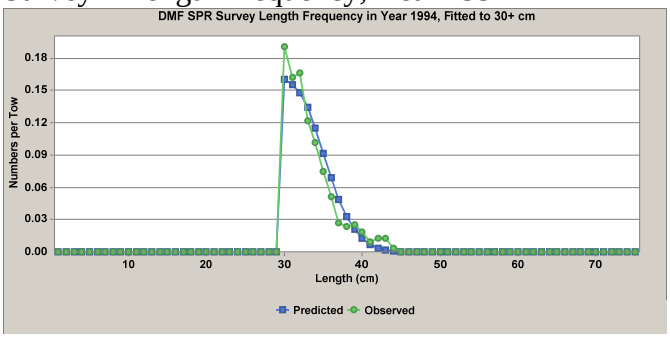

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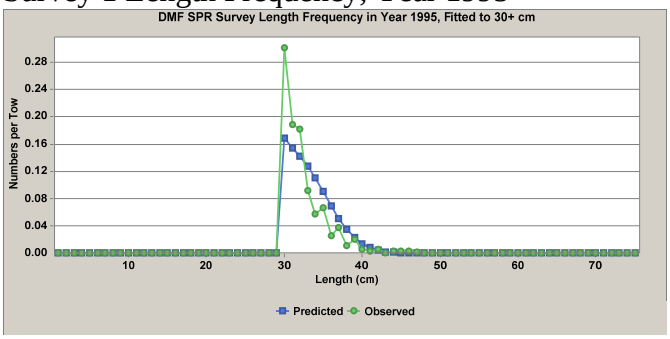

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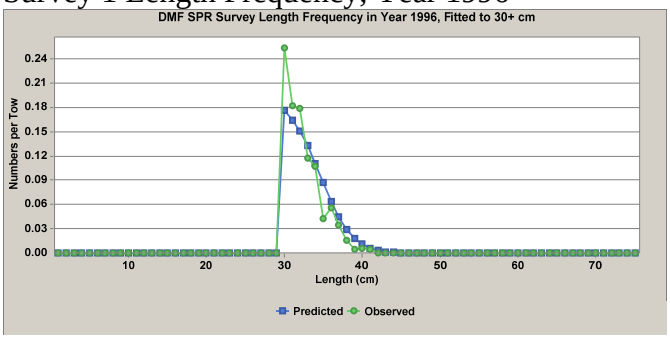
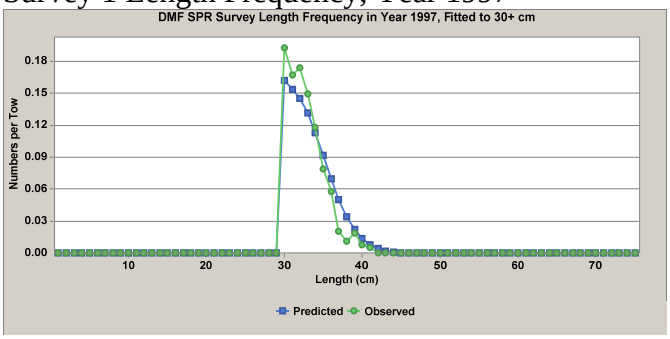
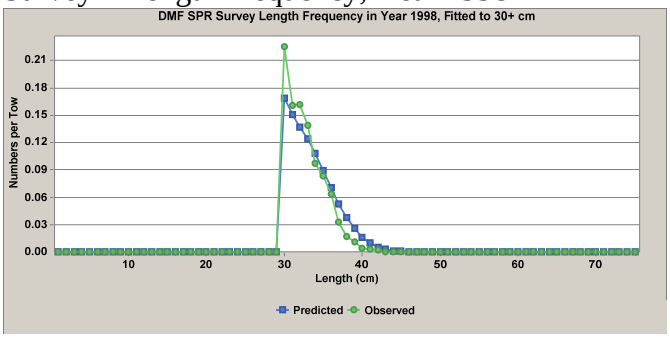


Survey 1 Length Frequency, Year 1997



Survey 1 Length Frequency, Year 1998



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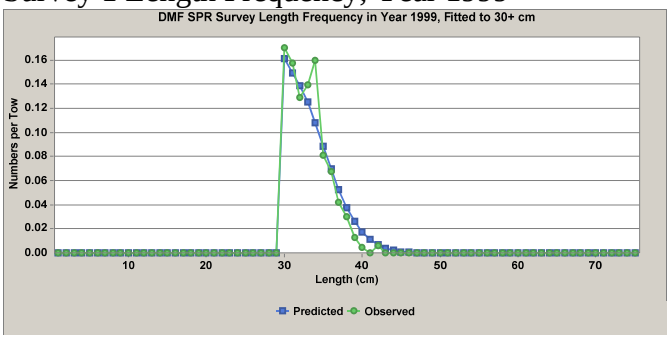

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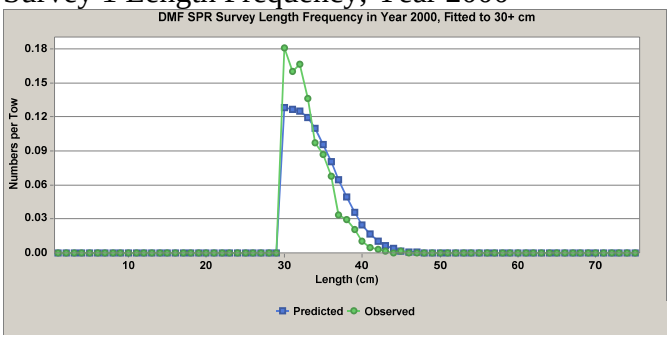
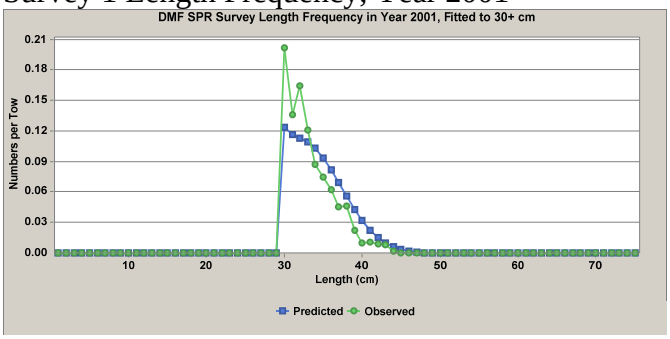


Survey 1 Length Frequency, Year 2001



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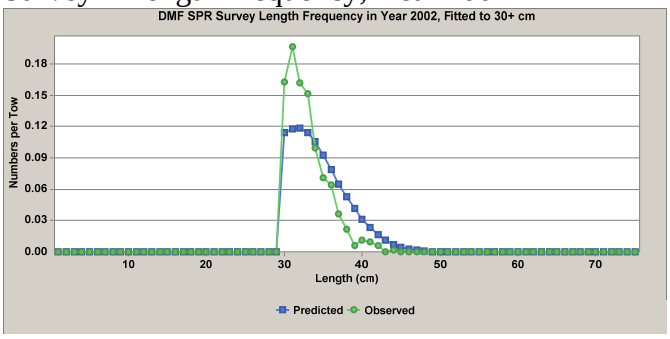

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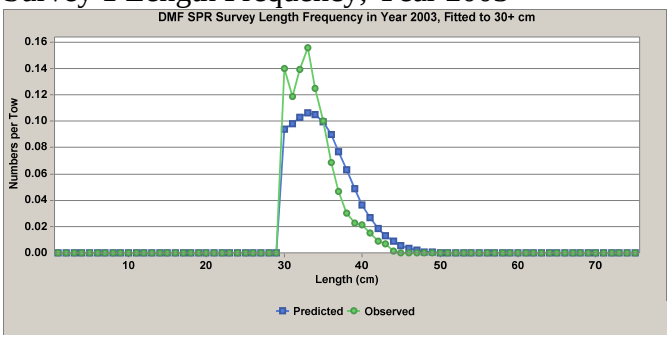

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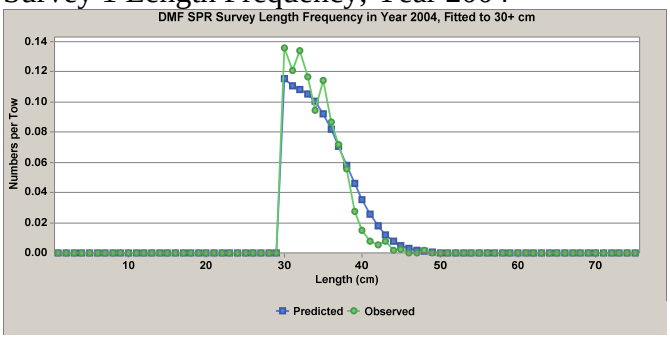

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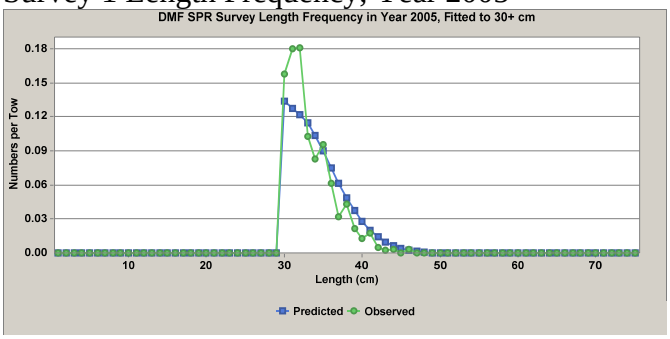
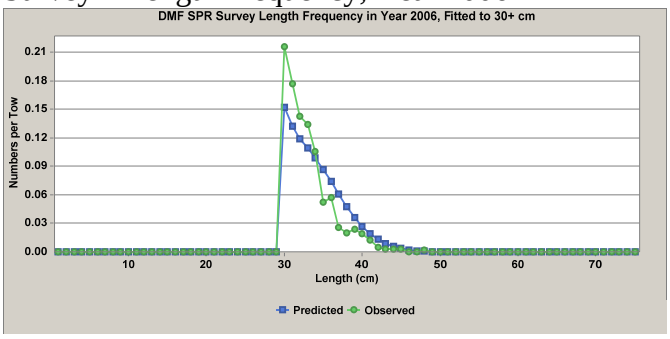
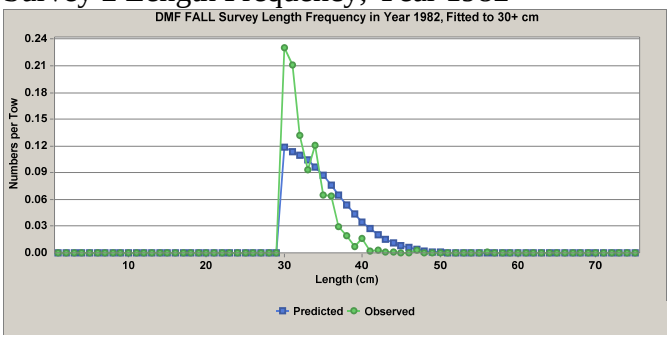


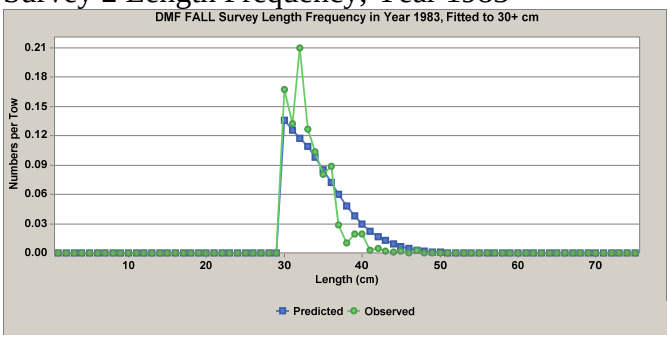
Survey 1 Length Frequency, Year 2006



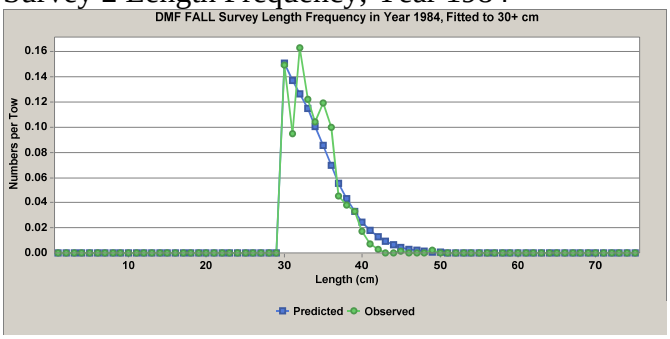
Survey 2 Length Frequency, Year 1982



Survey 2 Length Frequency, Year 1983



Survey 2 Length Frequency, Year 1984



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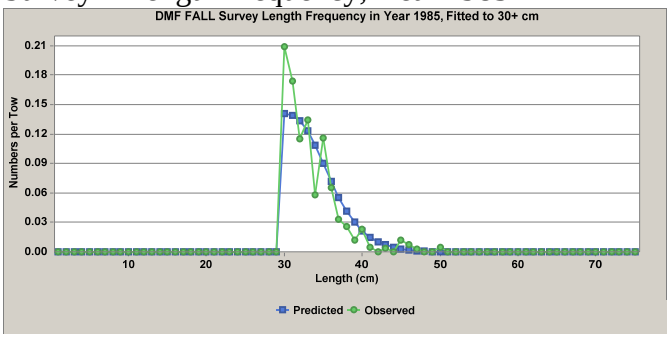

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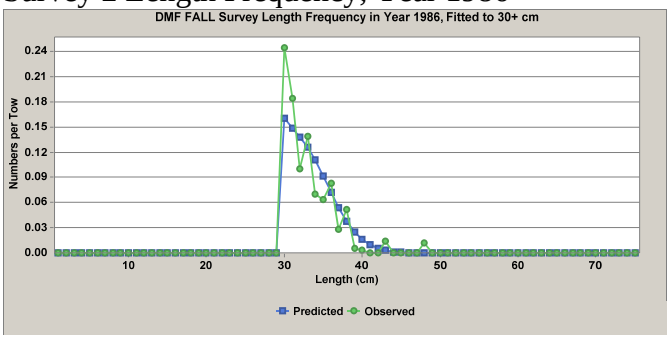
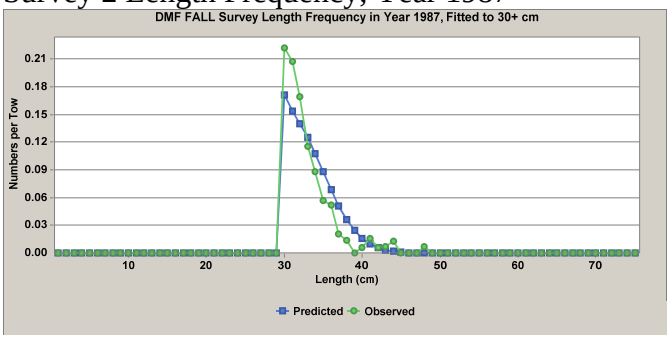
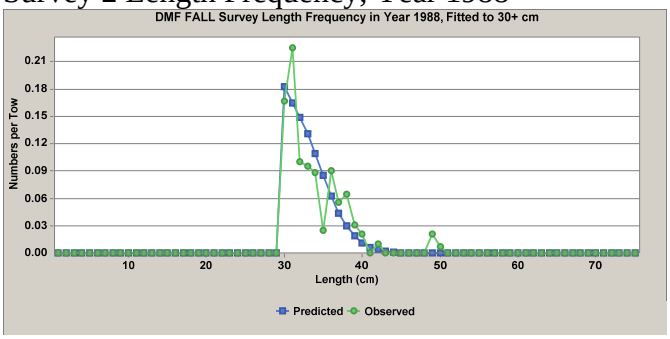


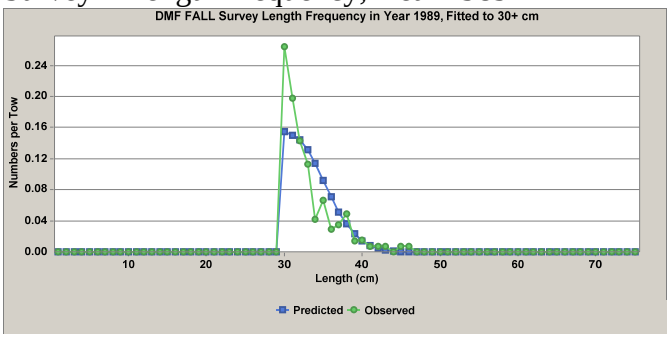
Survey 2 Length Frequency, Year 1987



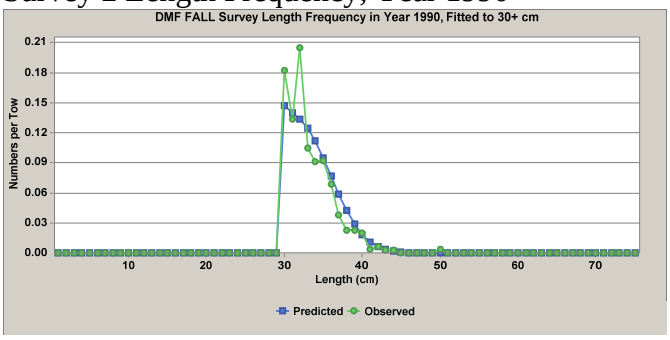
Survey 2 Length Frequency, Year 1988



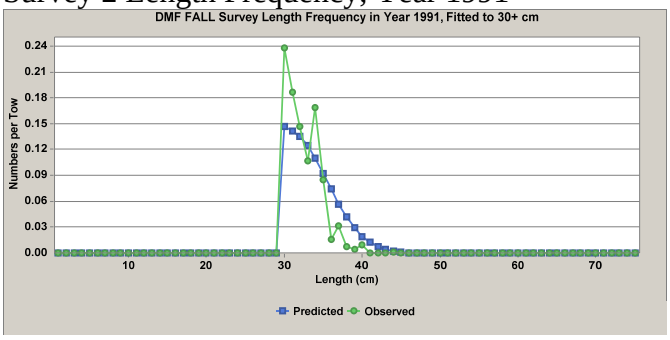
Survey 2 Length Frequency, Year 1989



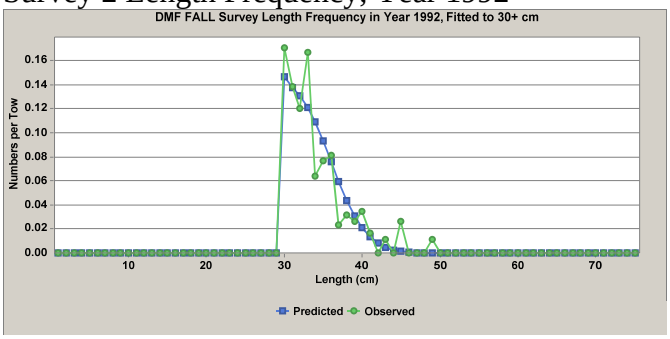
Survey 2 Length Frequency, Year 1990



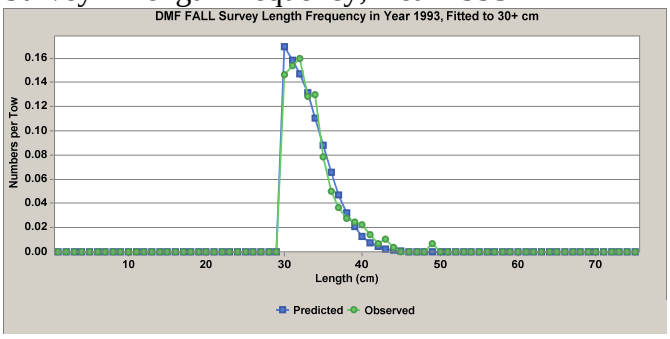
Survey 2 Length Frequency, Year 1991



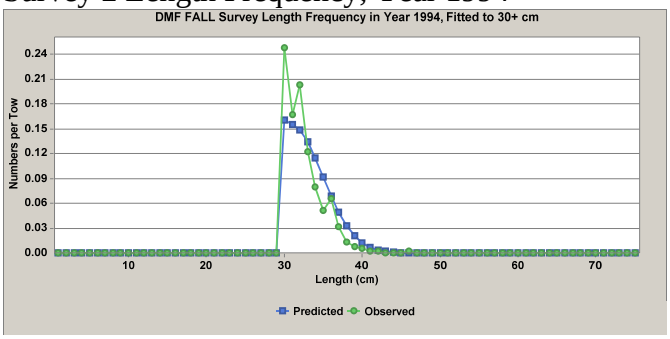
Survey 2 Length Frequency, Year 1992



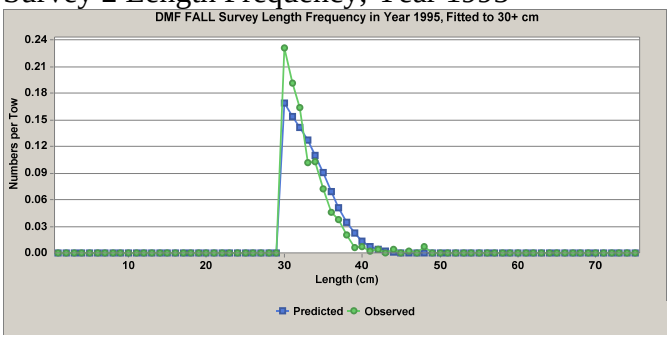
Survey 2 Length Frequency, Year 1993



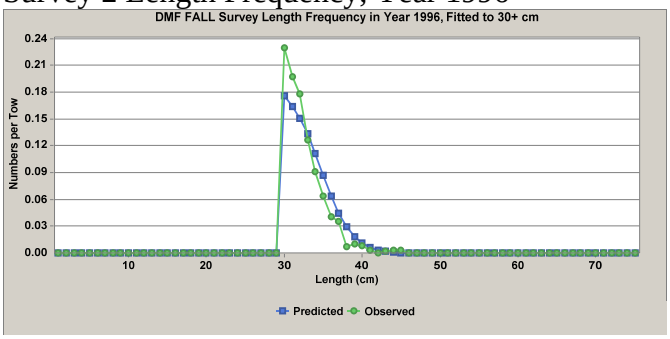
Survey 2 Length Frequency, Year 1994



Survey 2 Length Frequency, Year 1995



Survey 2 Length Frequency, Year 1996



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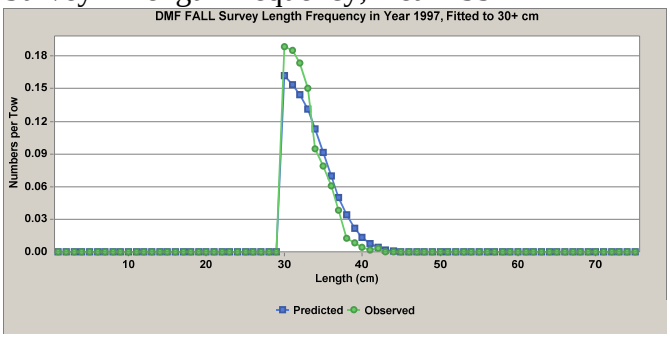

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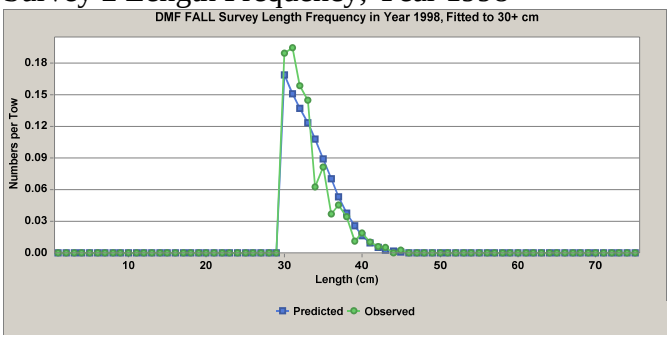

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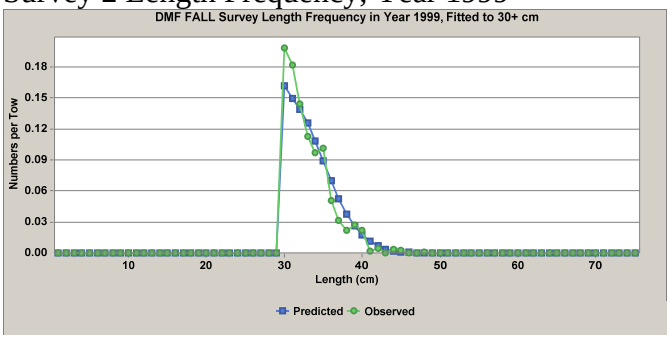

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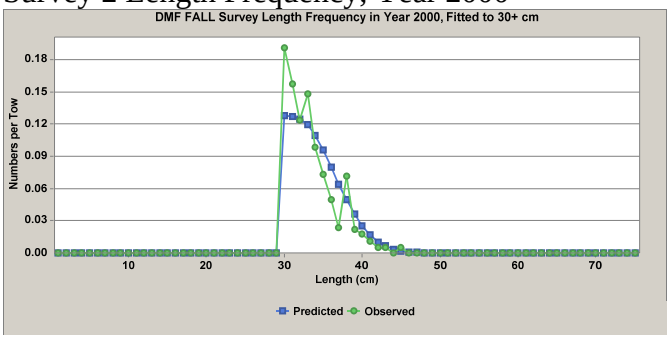
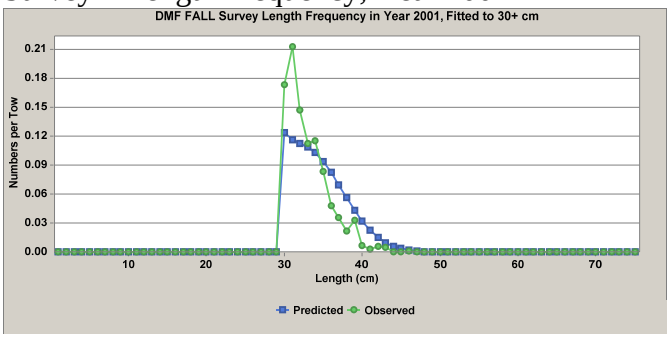


Survey 2 Length Frequency, Year 2001



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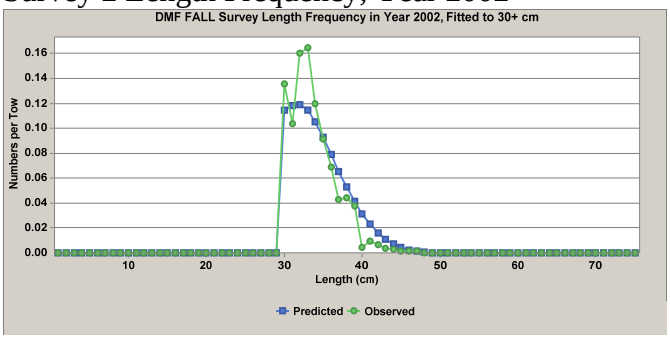

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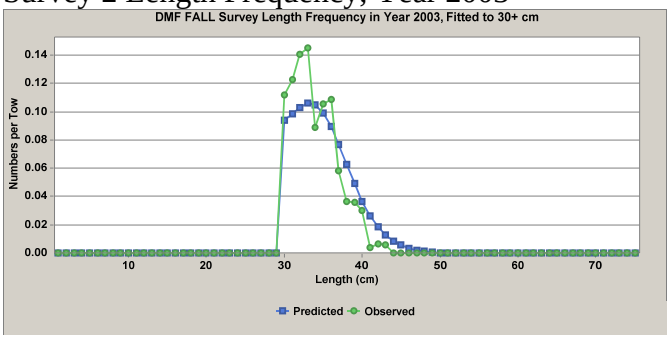

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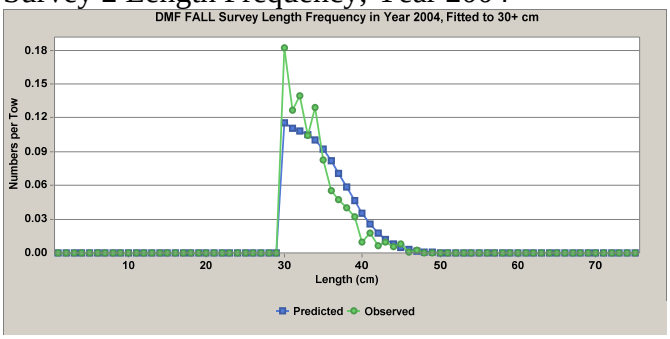

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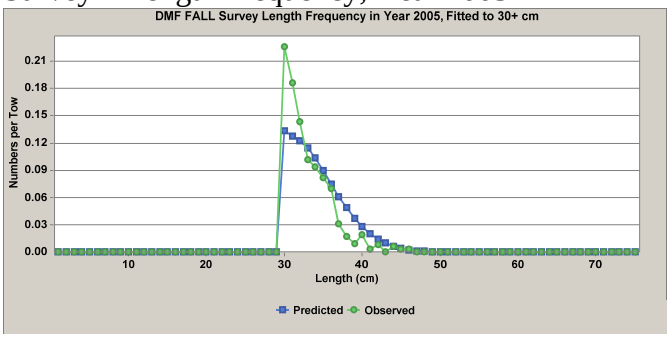
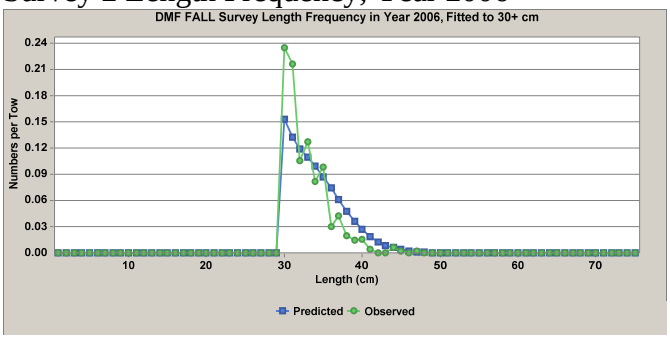
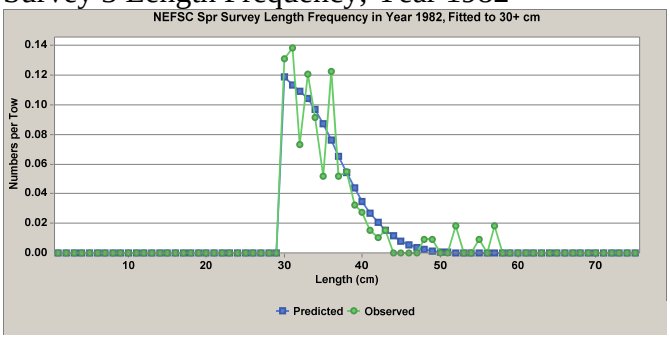


Survey 2 Length Frequency, Year 2006



Survey 3 Length Frequency, Year 1982



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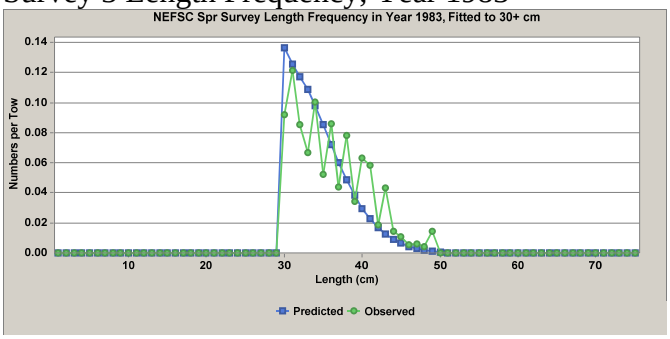

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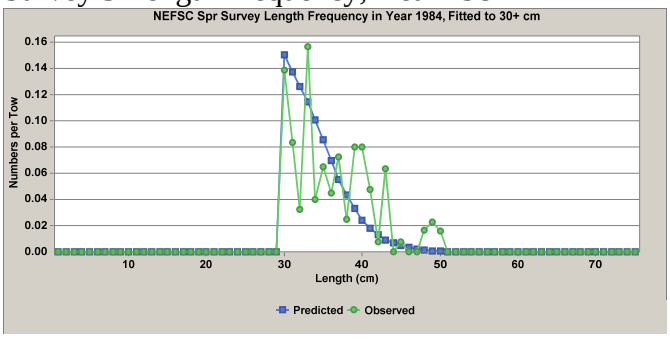

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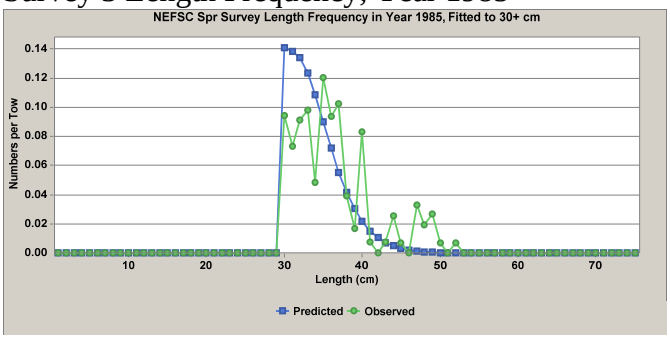

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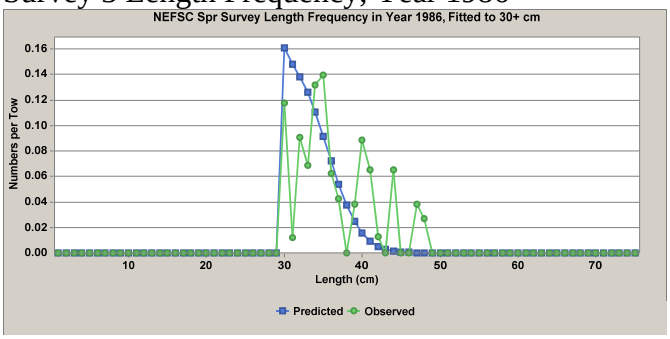

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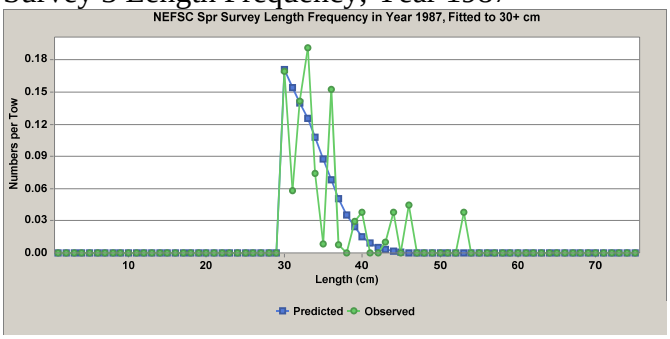
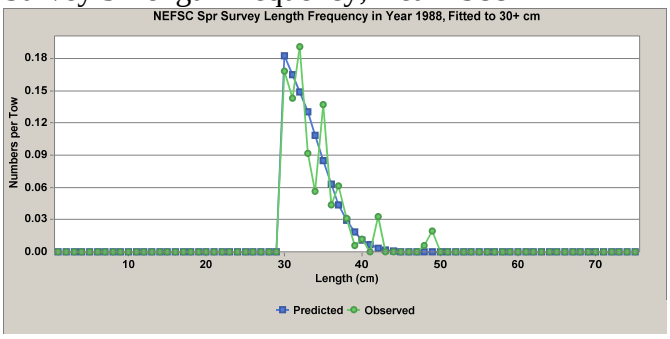
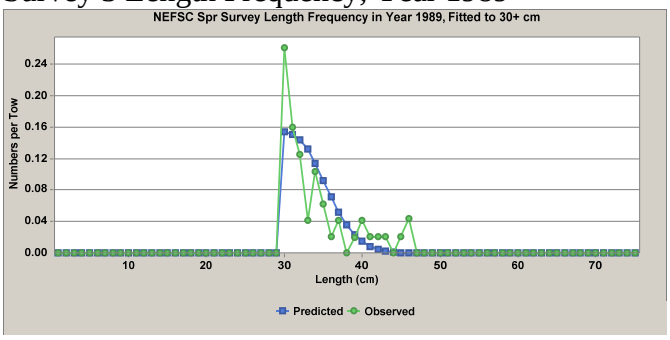


Survey 3 Length Frequency, Year 1988



Survey 3 Length Frequency, Year 1989



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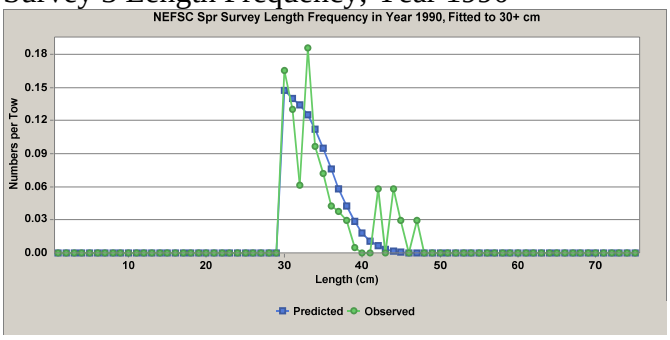

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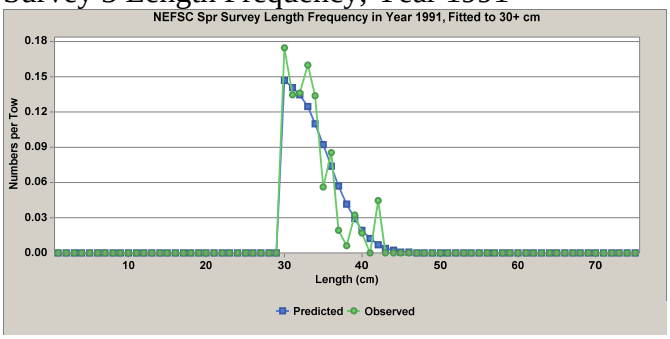

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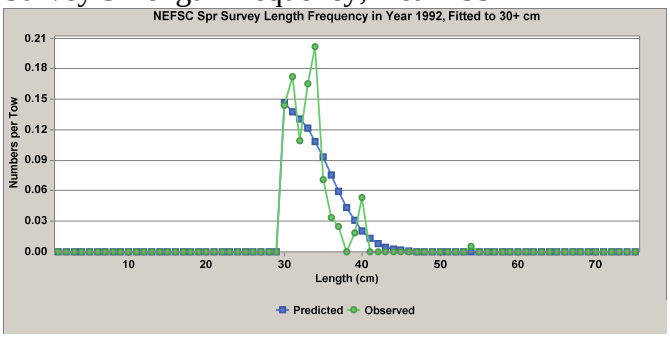

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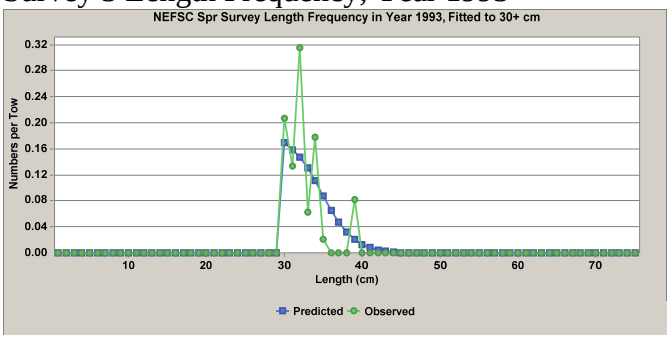

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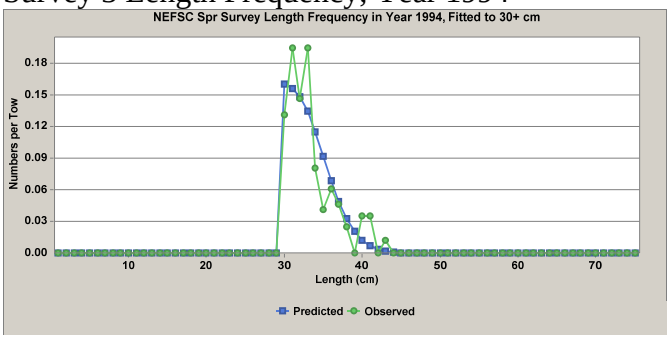

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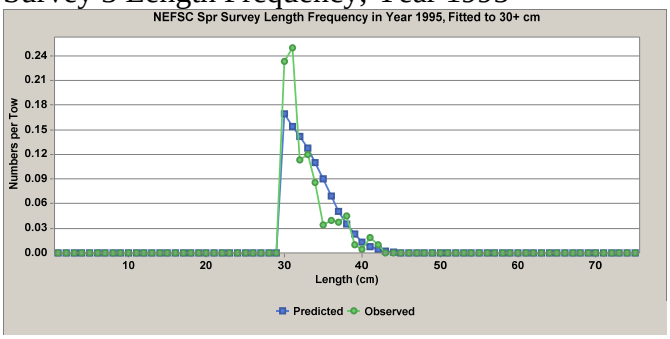

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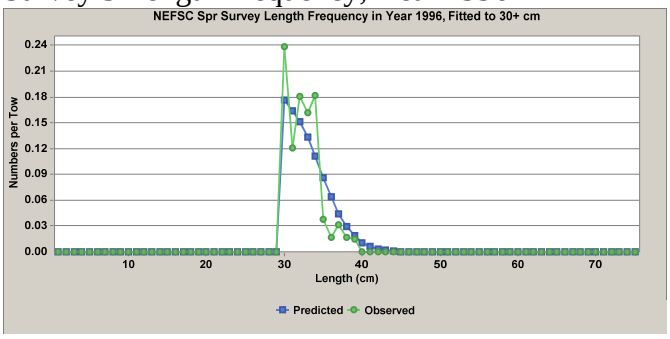

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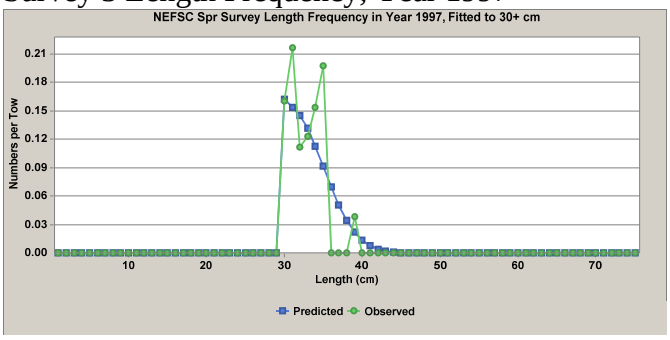

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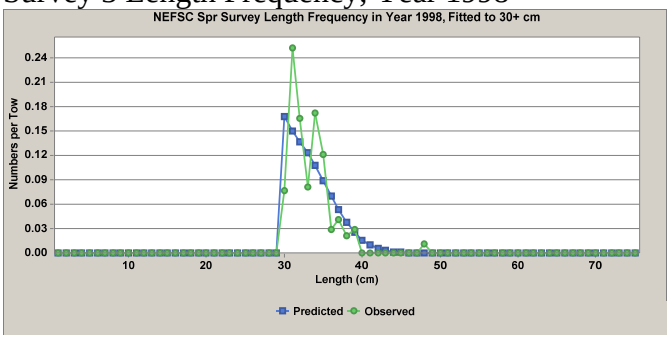

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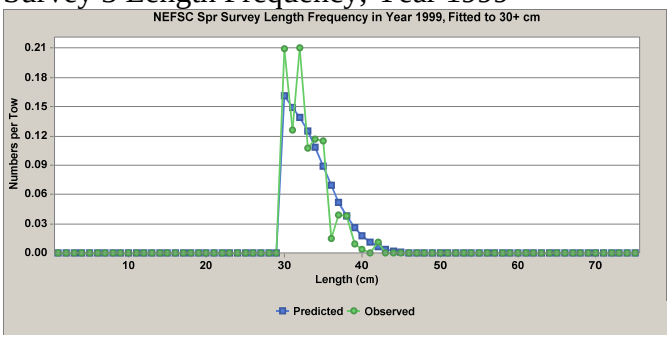

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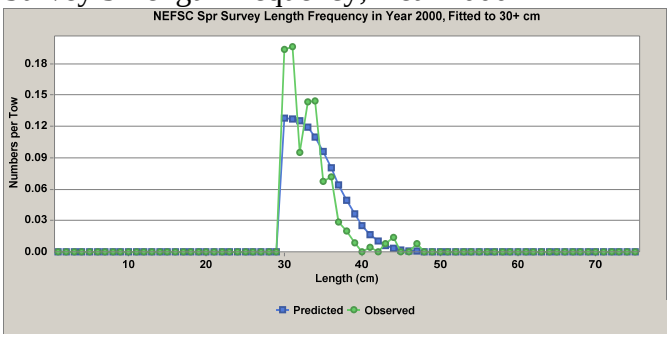

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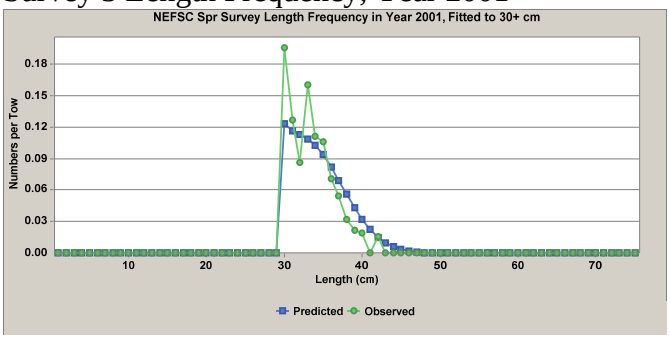

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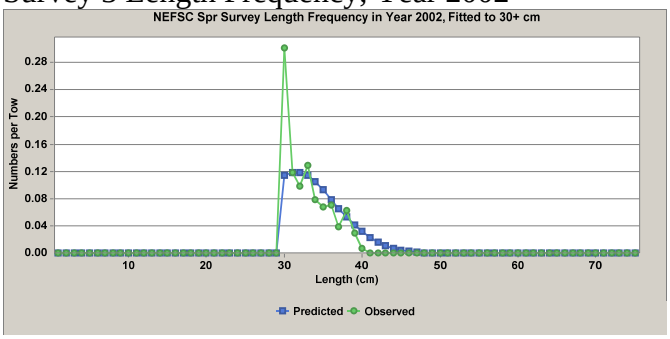

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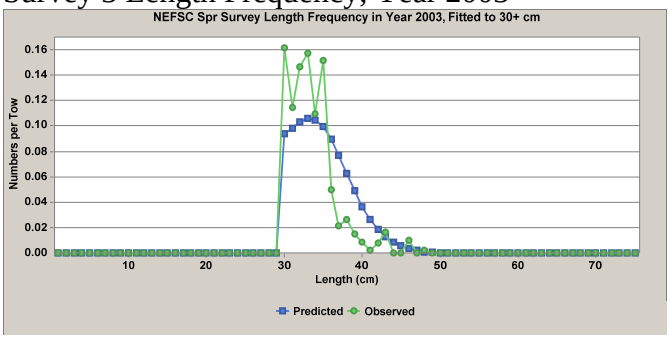

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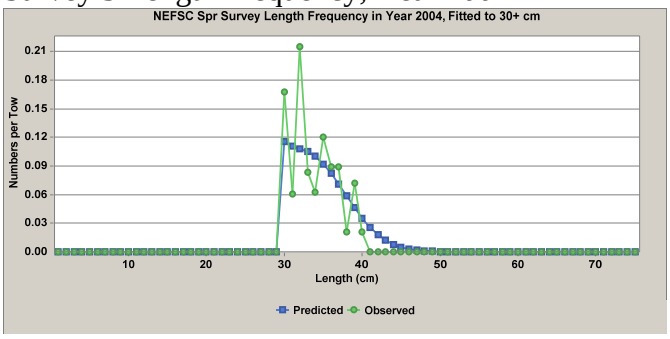
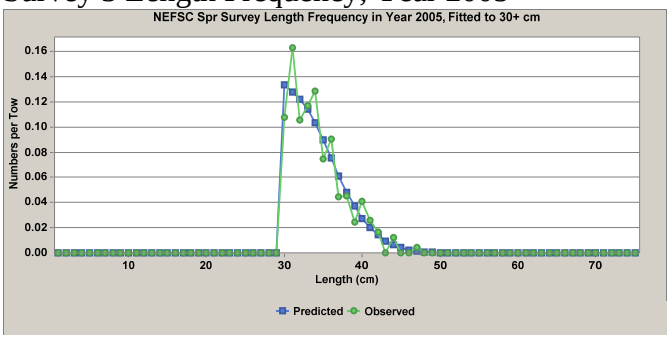
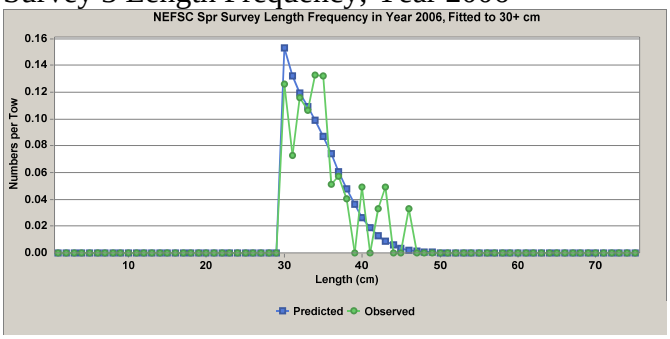


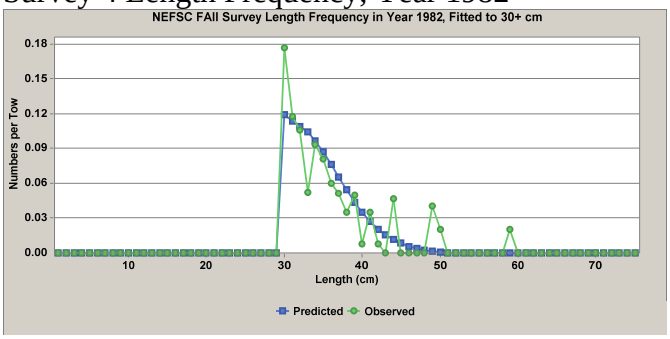
Survey 3 Length Frequency, Year 2005



Survey 3 Length Frequency, Year 2006



Survey 4 Length Frequency, Year 1982



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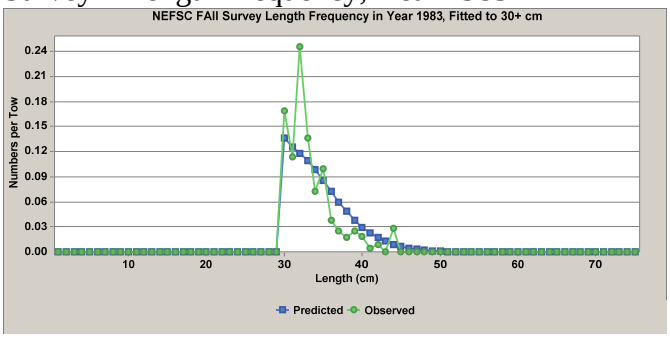

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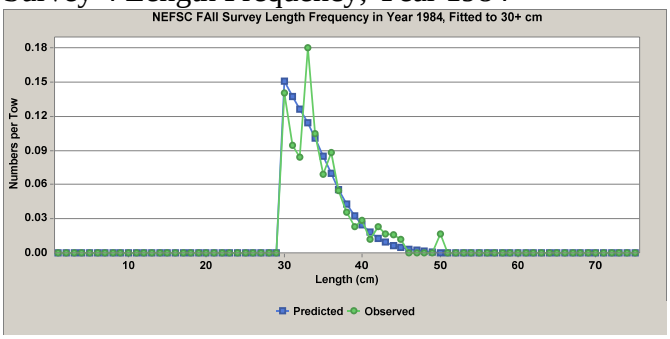

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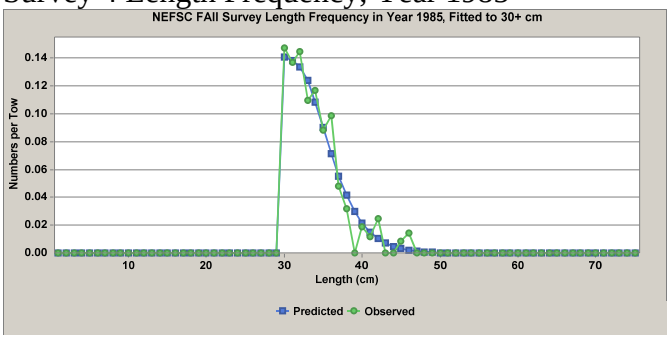

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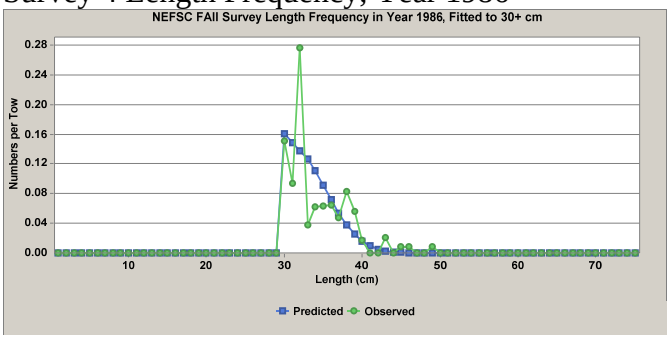

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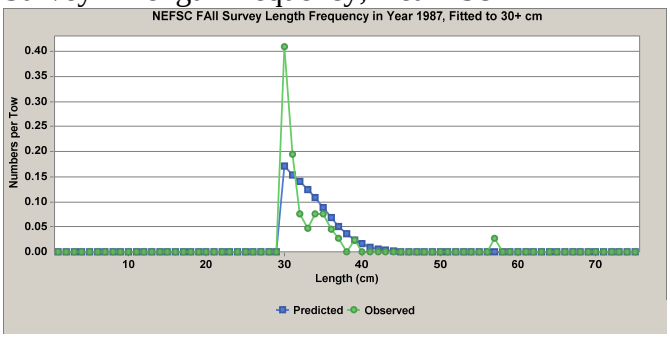

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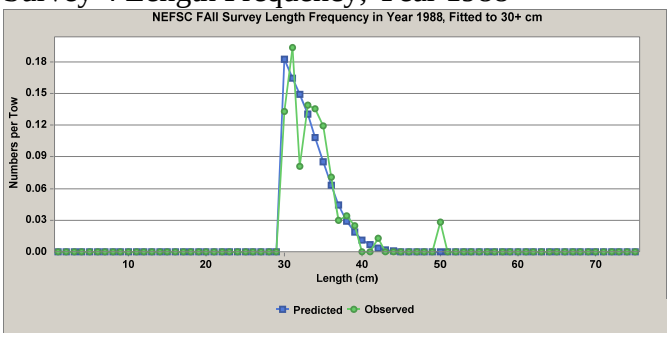

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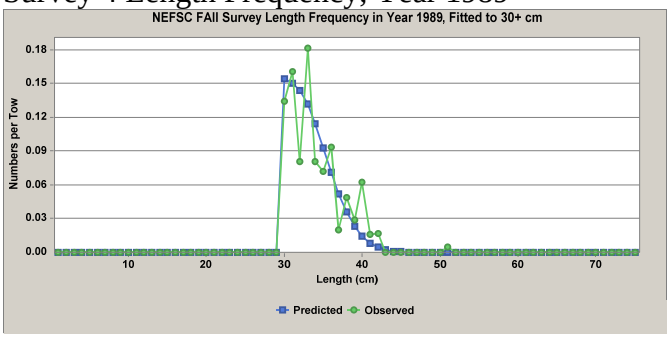

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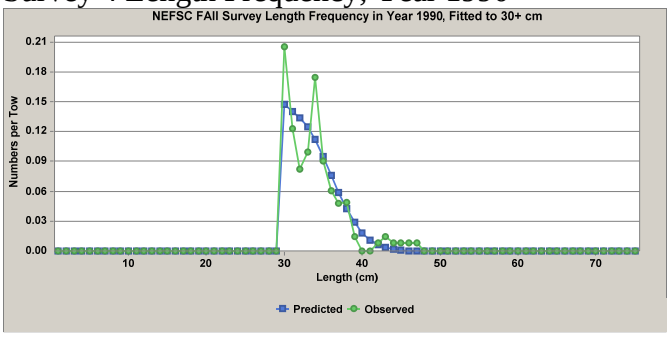

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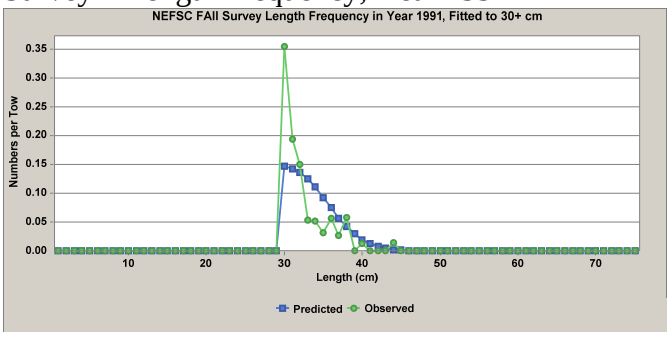

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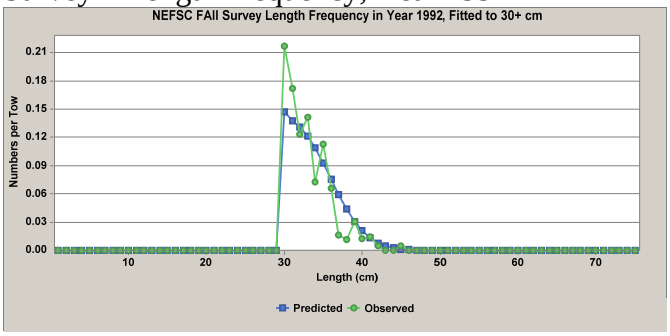

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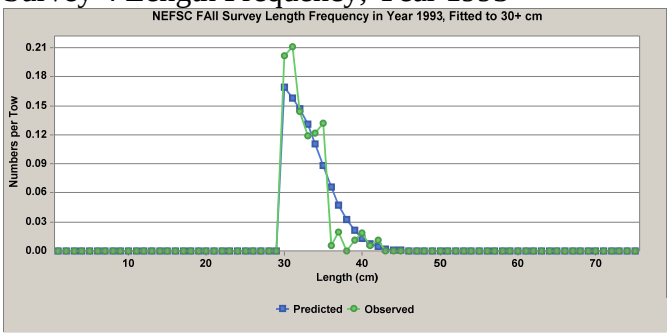

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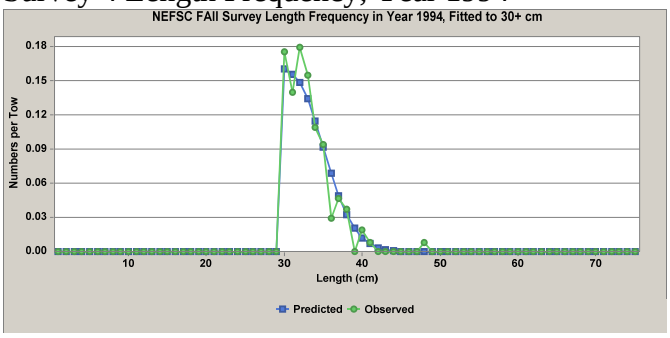

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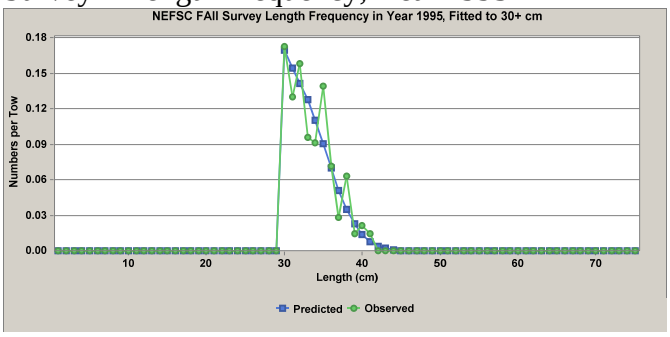

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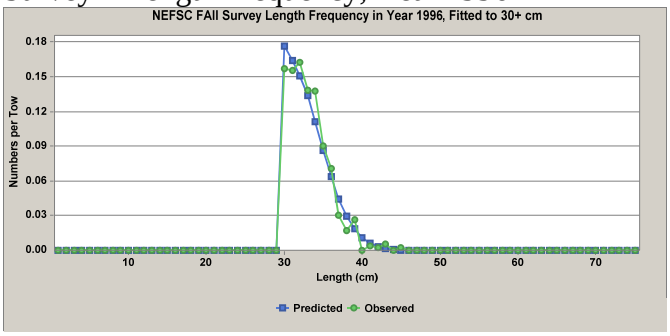

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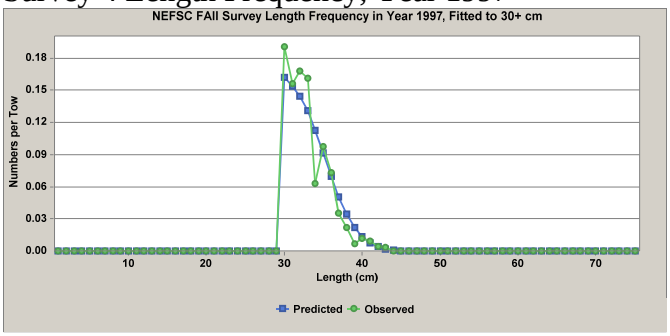

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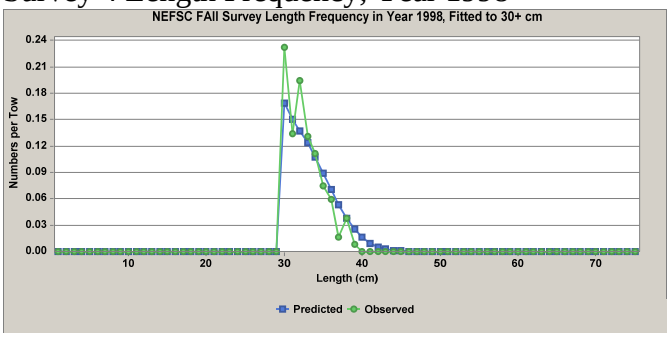

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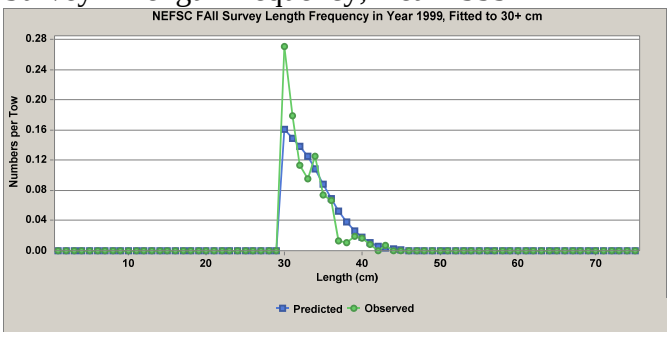

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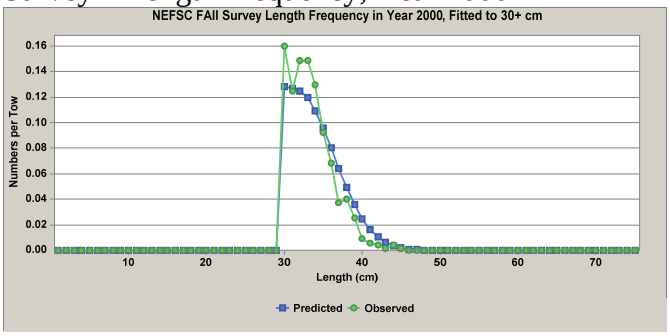
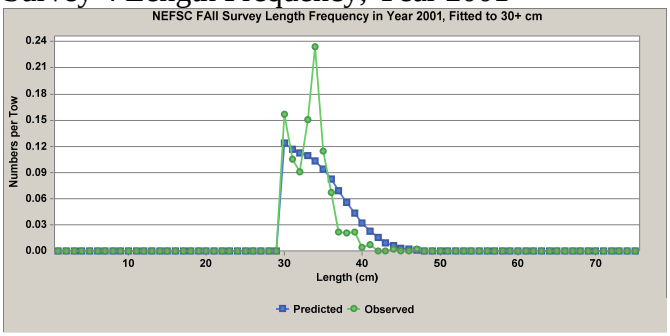
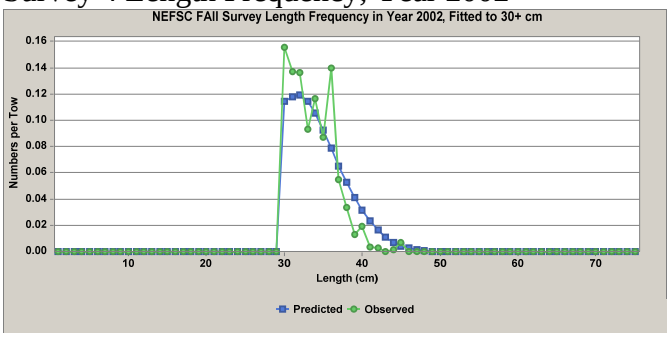


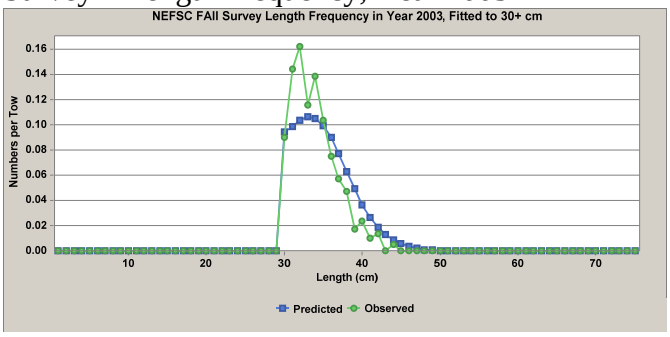
Survey 4 Length Frequency, Year 2001



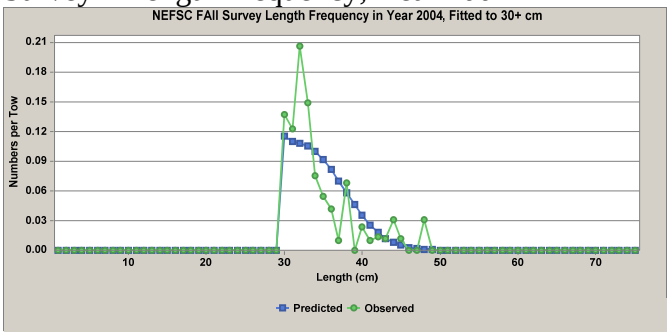
Survey 4 Length Frequency, Year 2002



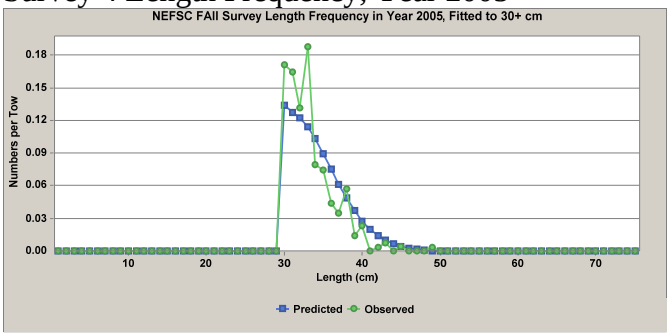
Survey 4 Length Frequency, Year 2003



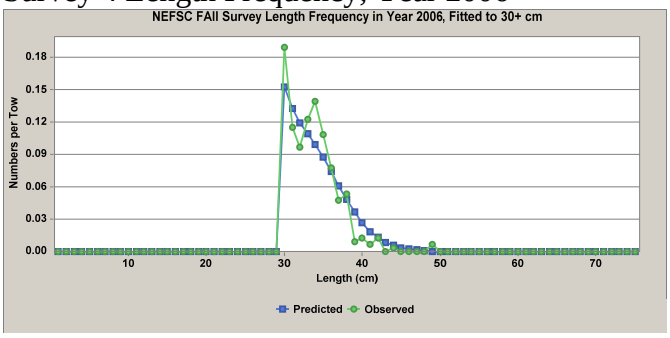
Survey 4 Length Frequency, Year 2004



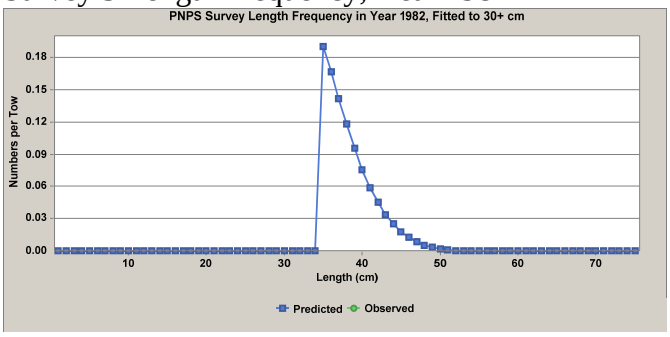
Survey 4 Length Frequency, Year 2005



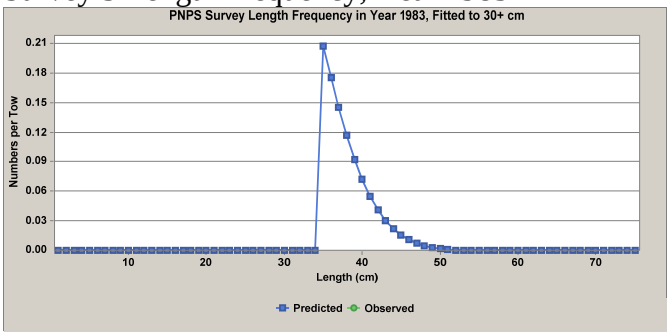
Survey 4 Length Frequency, Year 2006



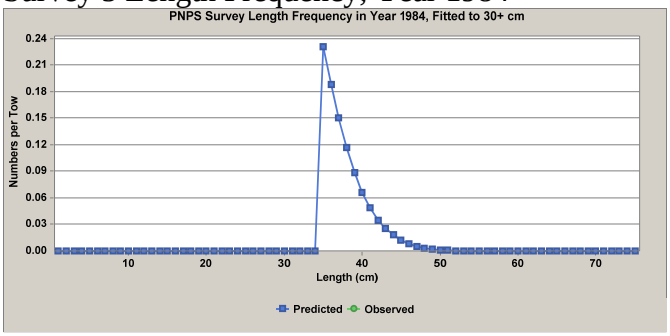
Survey 5 Length Frequency, Year 1982



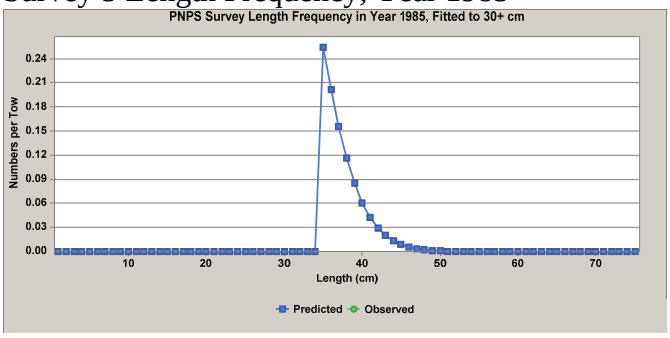
Survey 5 Length Frequency, Year 1983



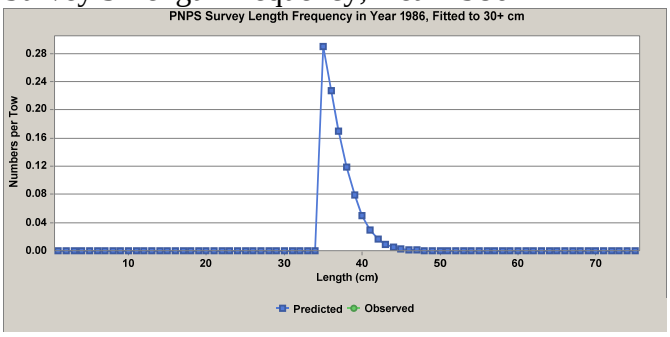
Survey 5 Length Frequency, Year 1984



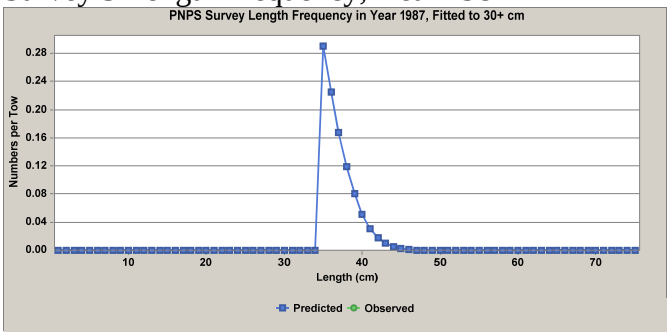
Survey 5 Length Frequency, Year 1985



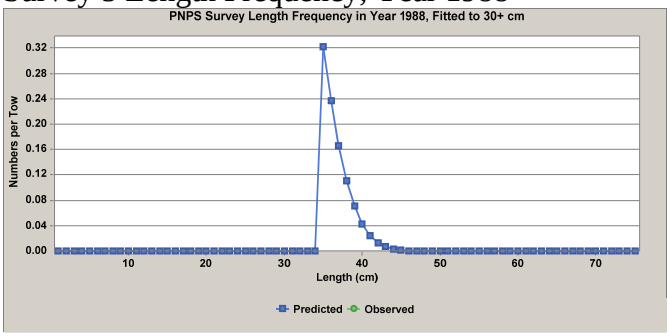
Survey 5 Length Frequency, Year 1986



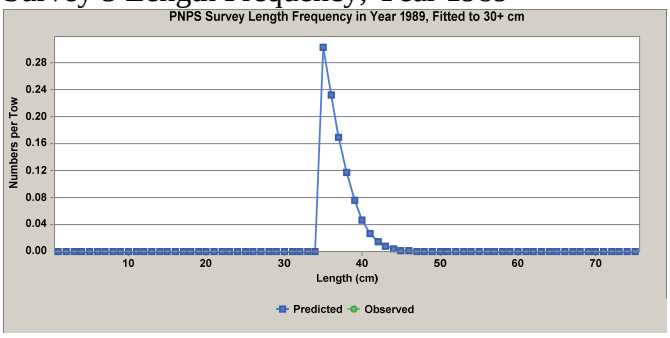
Survey 5 Length Frequency, Year 1987



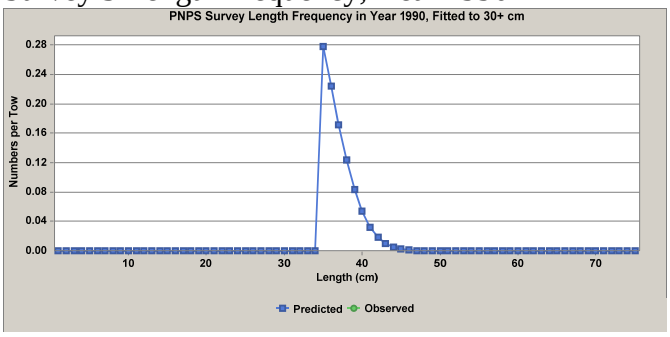
Survey 5 Length Frequency, Year 1988



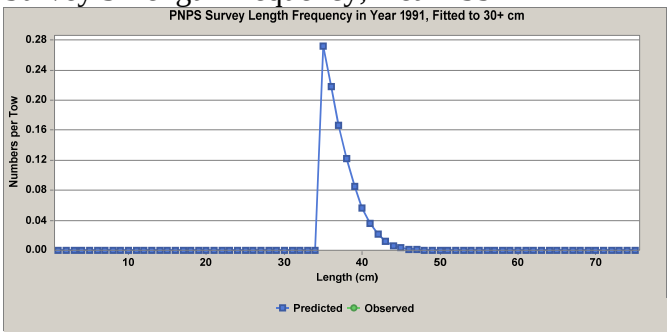
Survey 5 Length Frequency, Year 1989



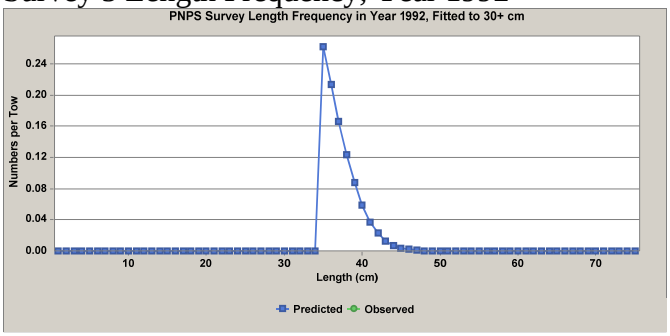
Survey 5 Length Frequency, Year 1990



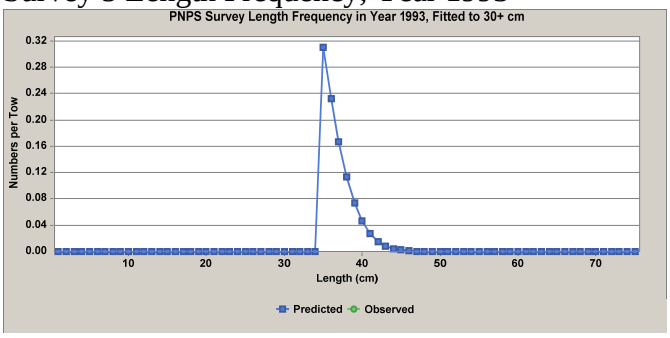
Survey 5 Length Frequency, Year 1991



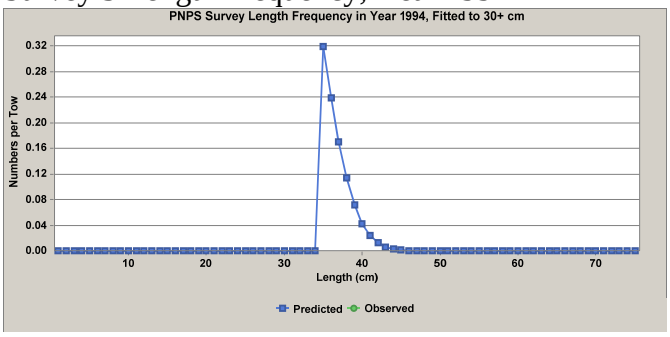
Survey 5 Length Frequency, Year 1992



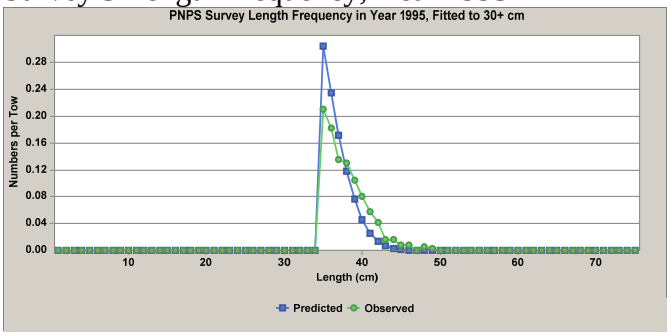
Survey 5 Length Frequency, Year 1993



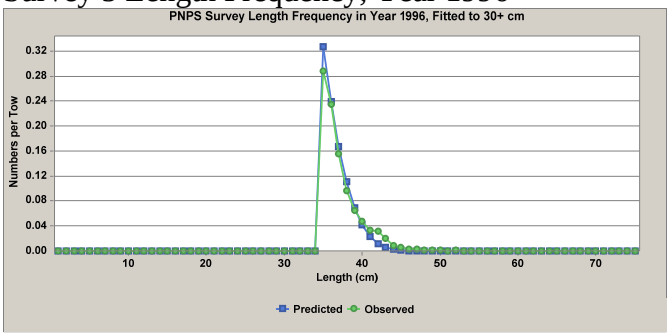
Survey 5 Length Frequency, Year 1994



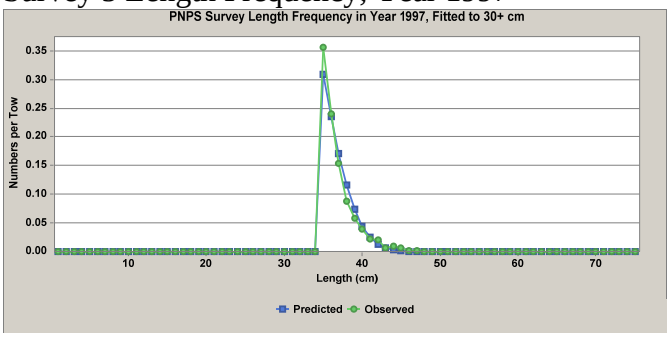
Survey 5 Length Frequency, Year 1995



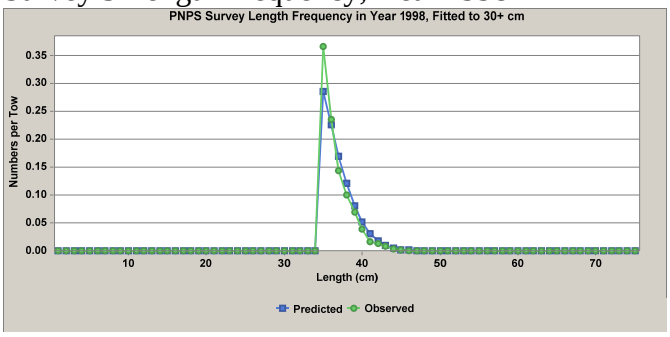
Survey 5 Length Frequency, Year 1996



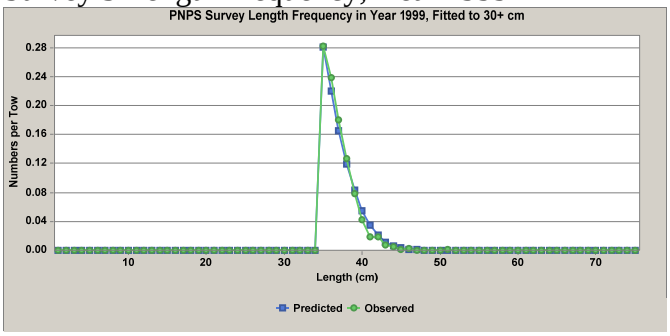
Survey 5 Length Frequency, Year 1997



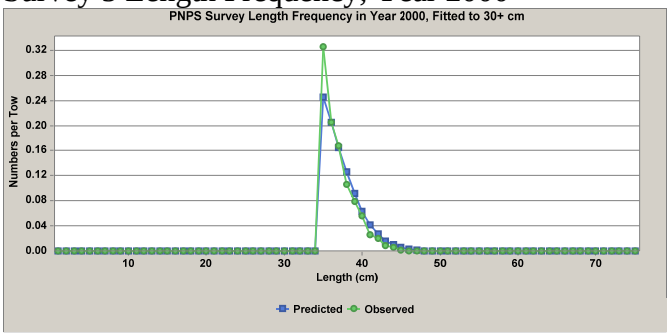
Survey 5 Length Frequency, Year 1998



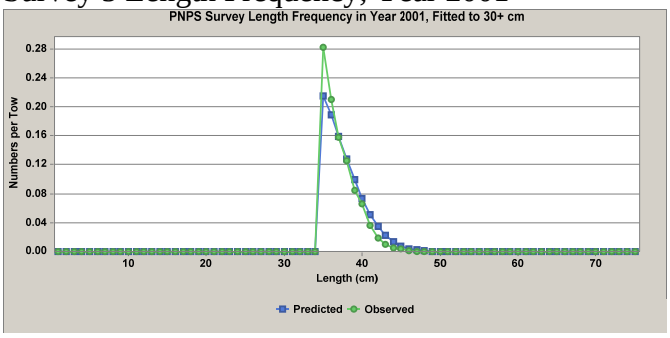
Survey 5 Length Frequency, Year 1999



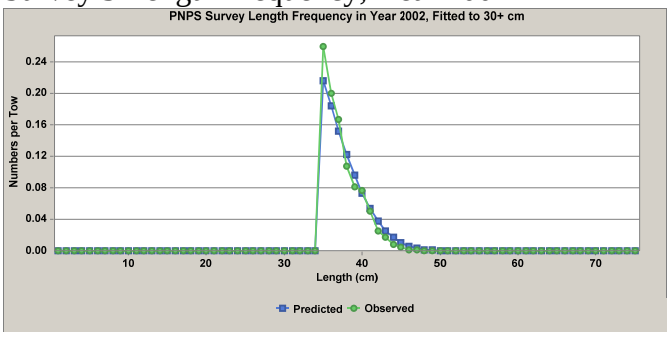
Survey 5 Length Frequency, Year 2000



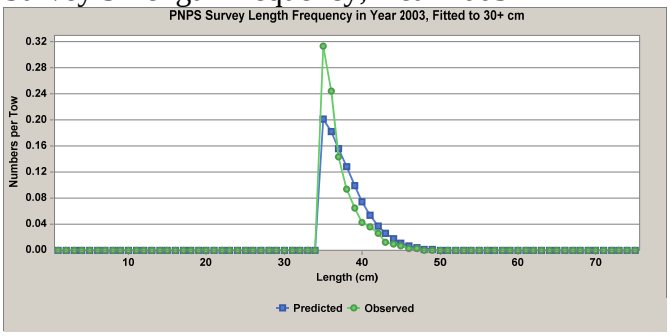
Survey 5 Length Frequency, Year 2001



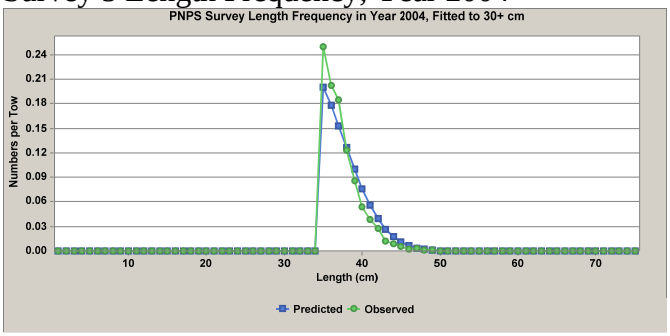
Survey 5 Length Frequency, Year 2002



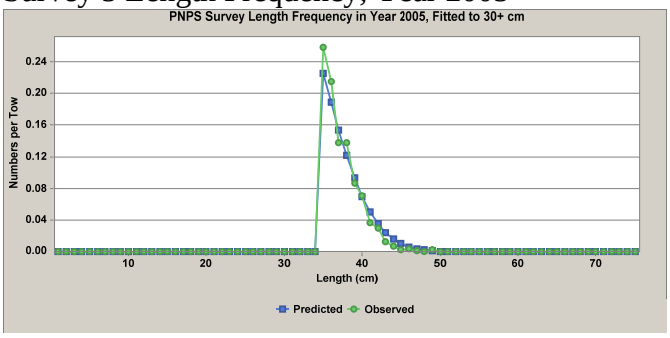
Survey 5 Length Frequency, Year 2003



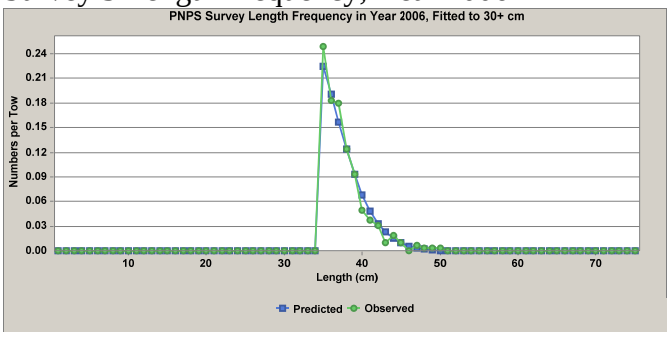
Survey 5 Length Frequency, Year 2004



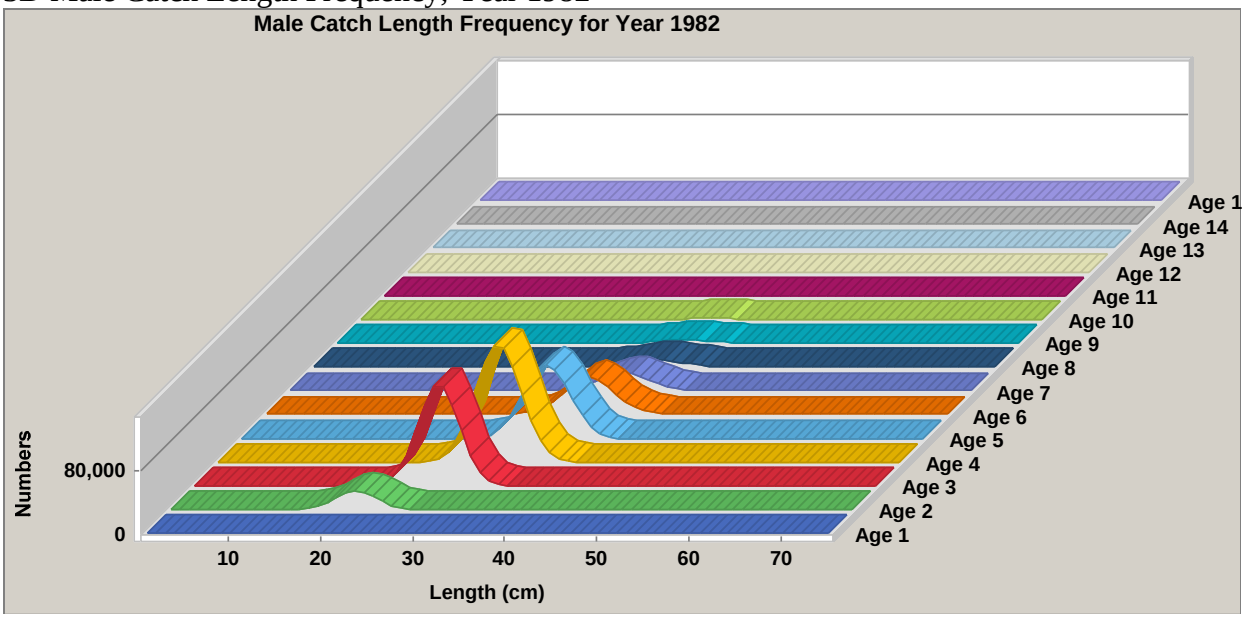
Survey 5 Length Frequency, Year 2005



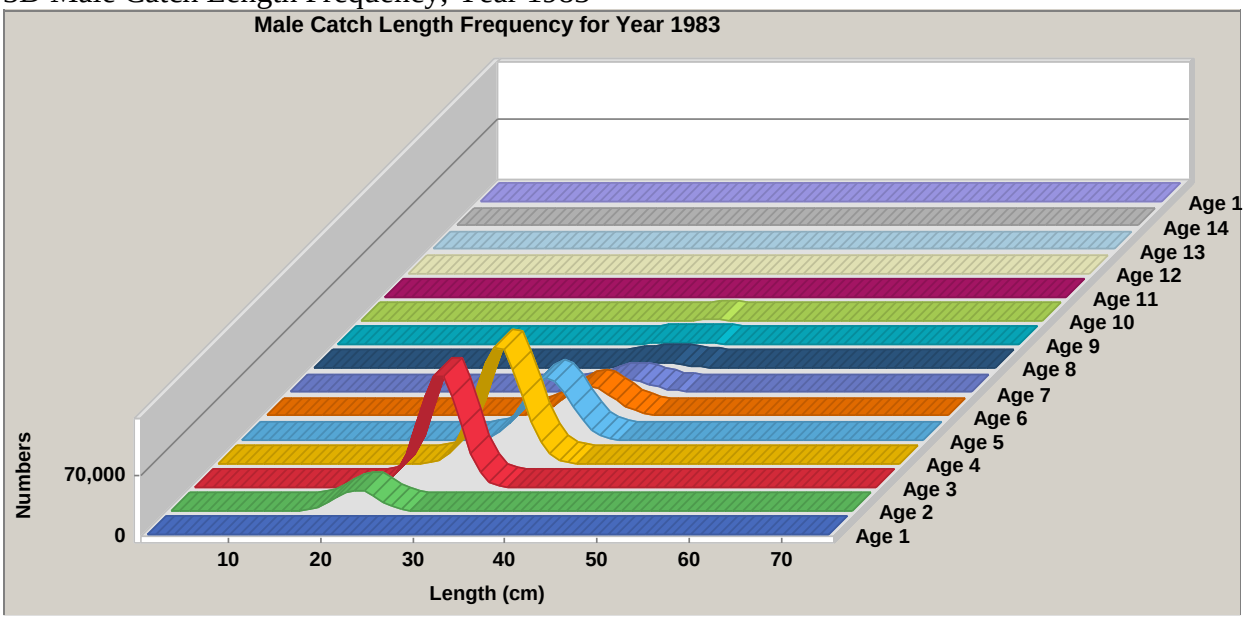
Survey 5 Length Frequency, Year 2006



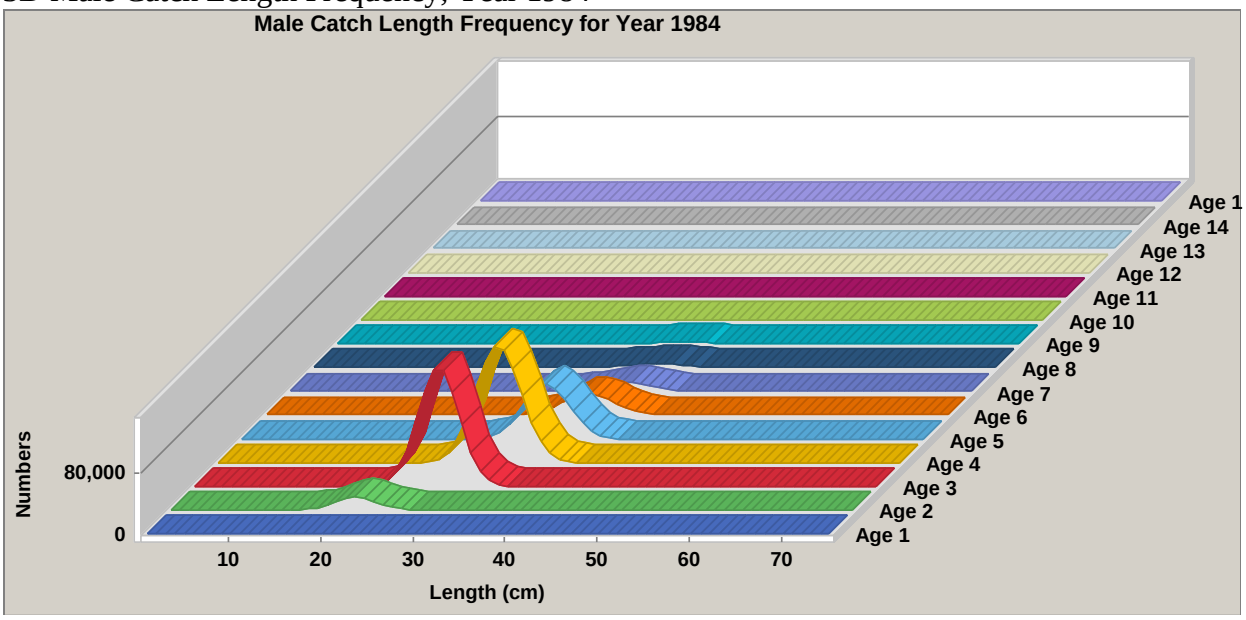
3D Male Catch Length Frequency, Year 1982



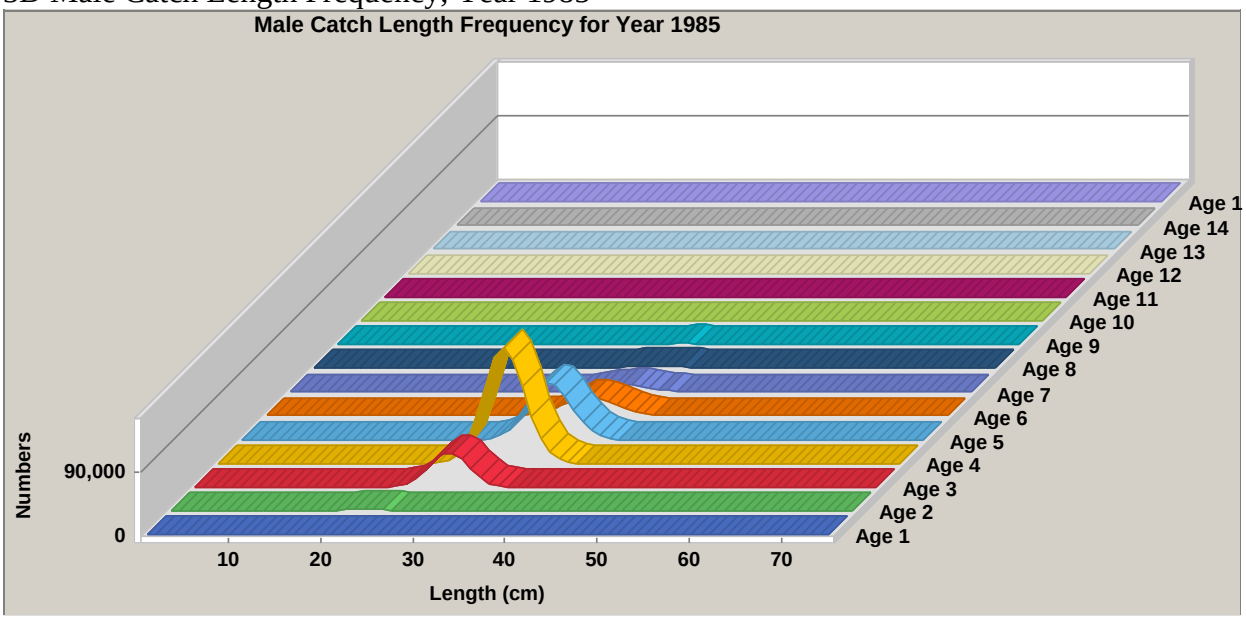
3D Male Catch Length Frequency, Year 1983



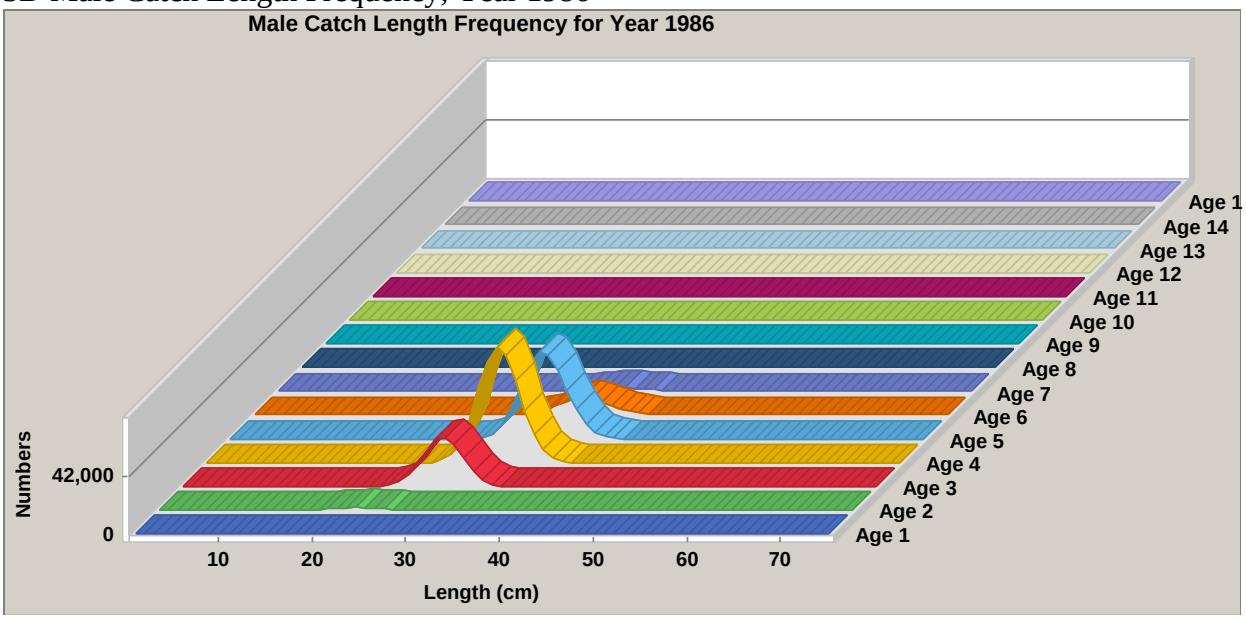
3D Male Catch Length Frequency, Year 1984



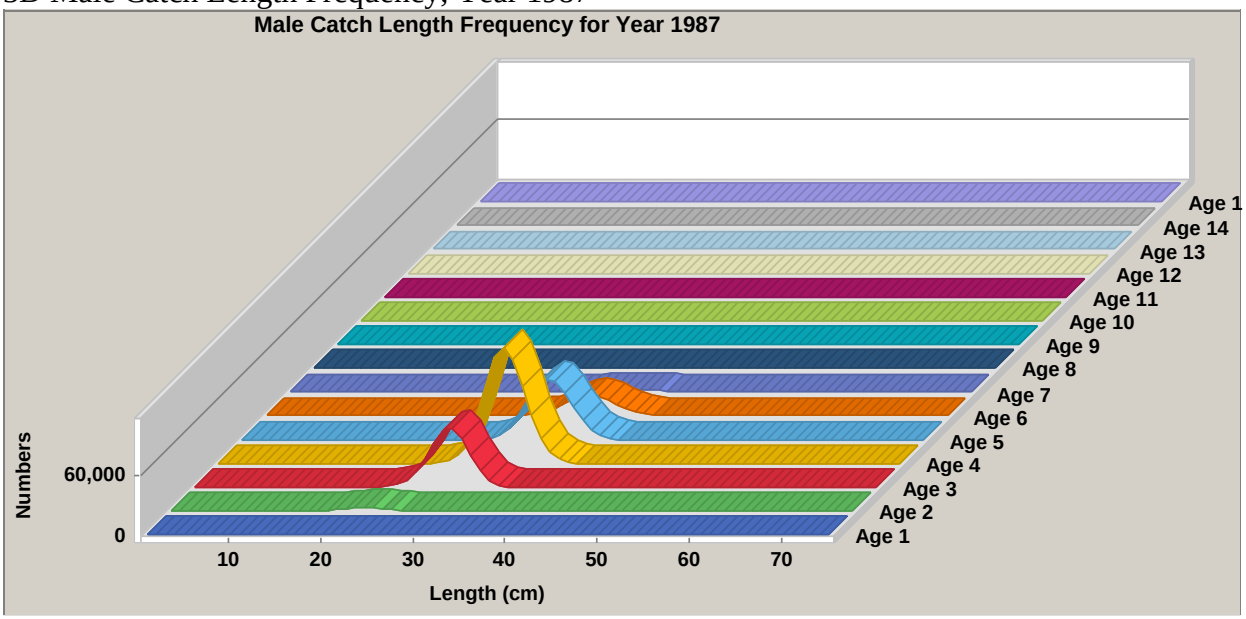
3D Male Catch Length Frequency, Year 1985



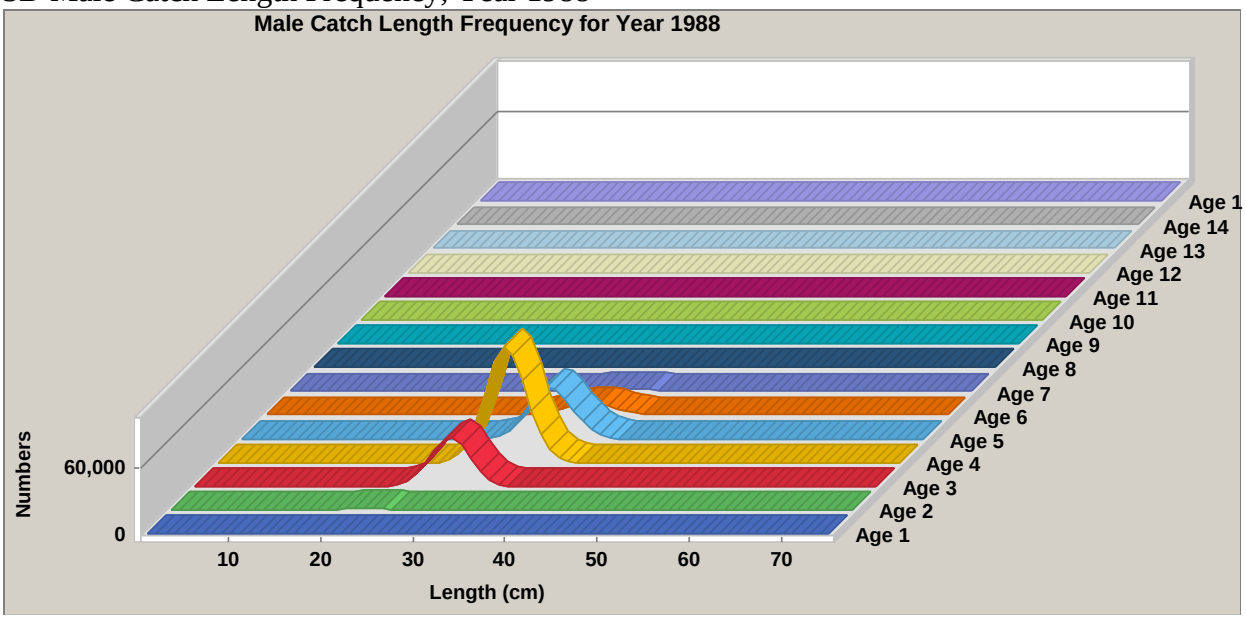
3D Male Catch Length Frequency, Year 1986



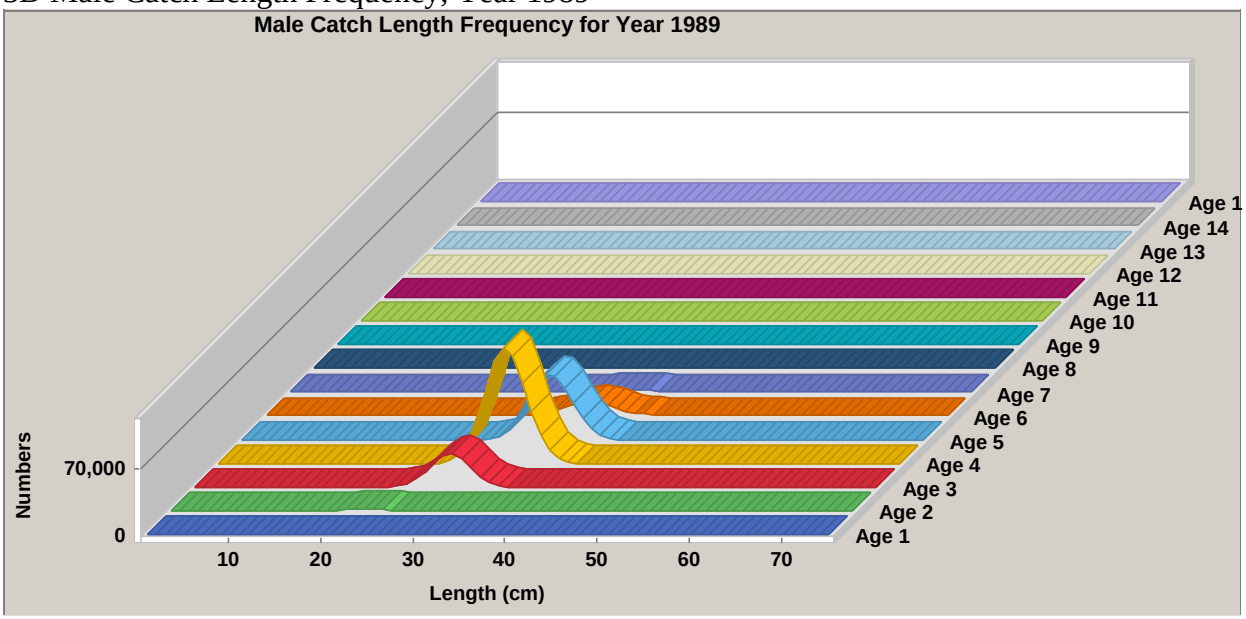
3D Male Catch Length Frequency, Year 1987



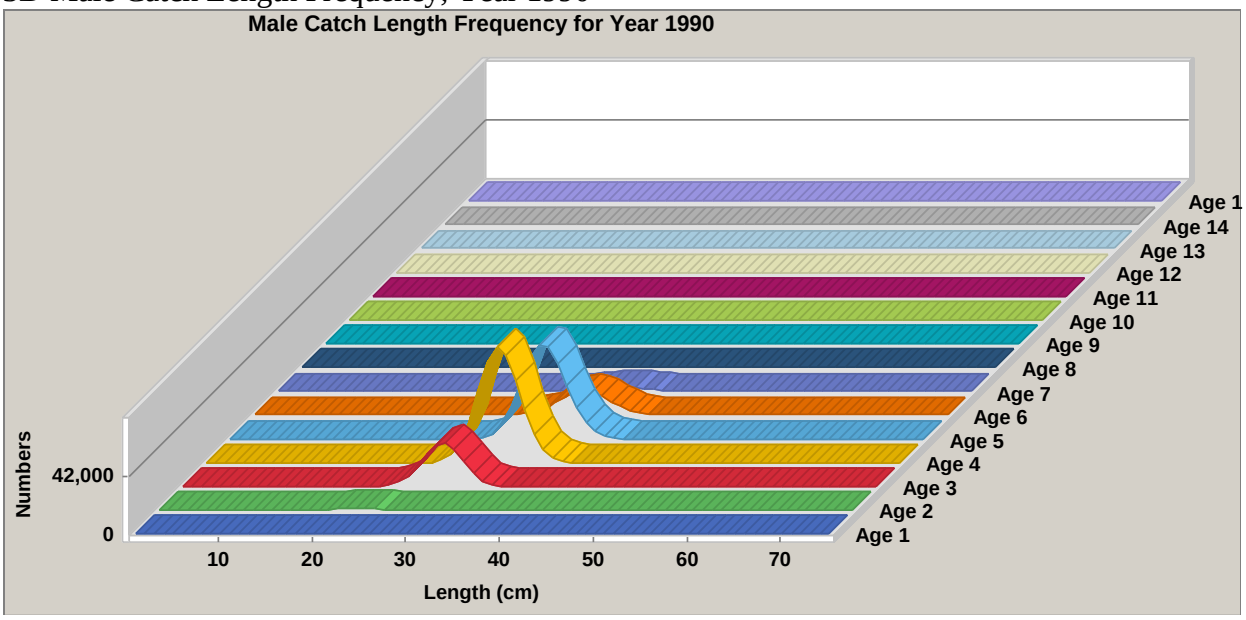
3D Male Catch Length Frequency, Year 1988



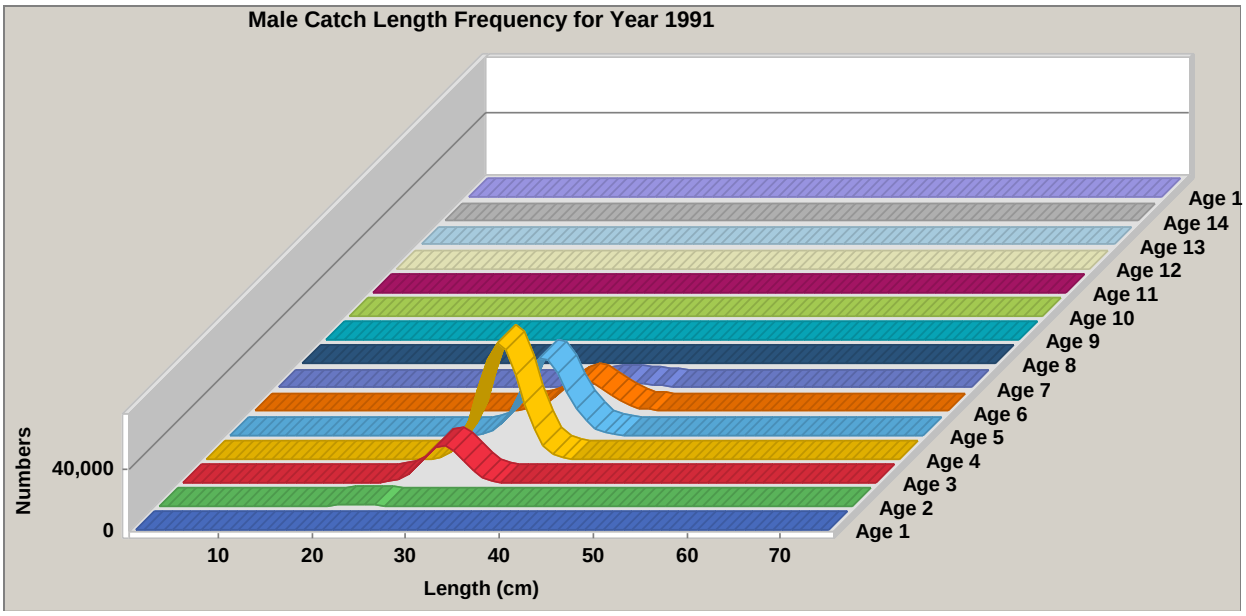
3D Male Catch Length Frequency, Year 1989



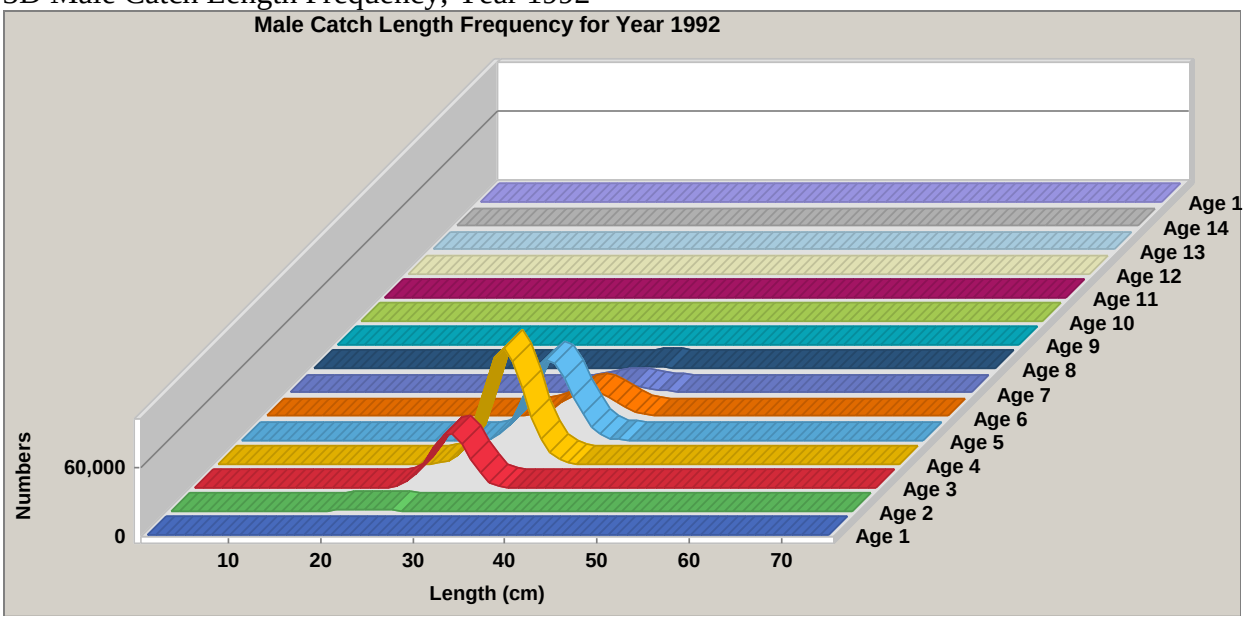
3D Male Catch Length Frequency, Year 1990



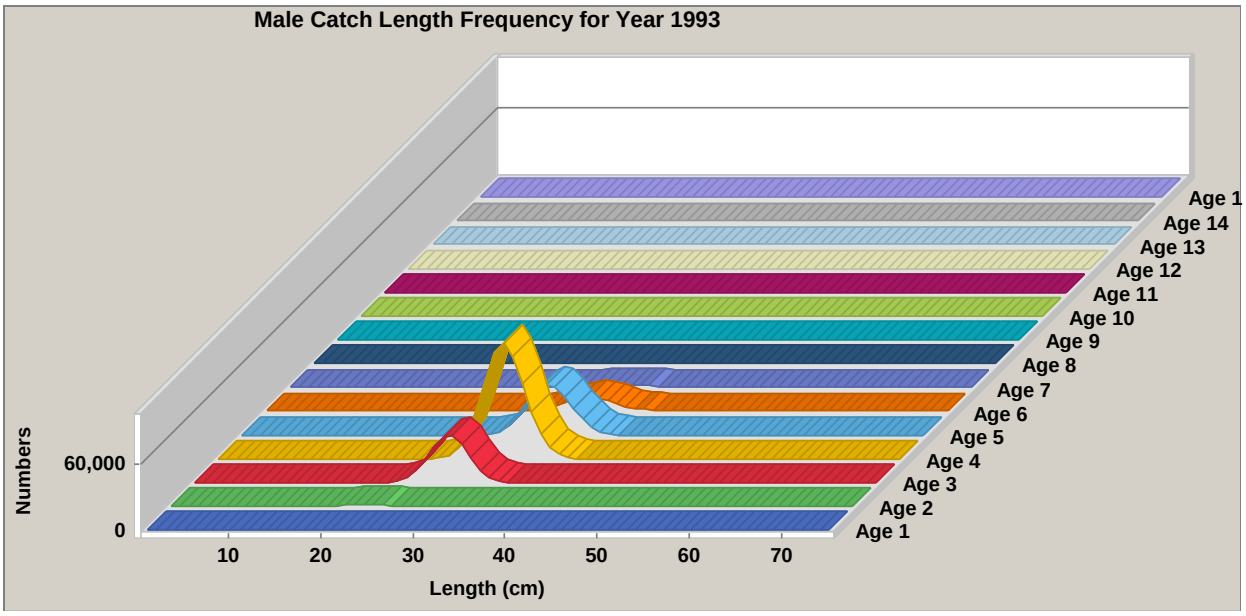
3D Male Catch Length Frequency, Year 1991



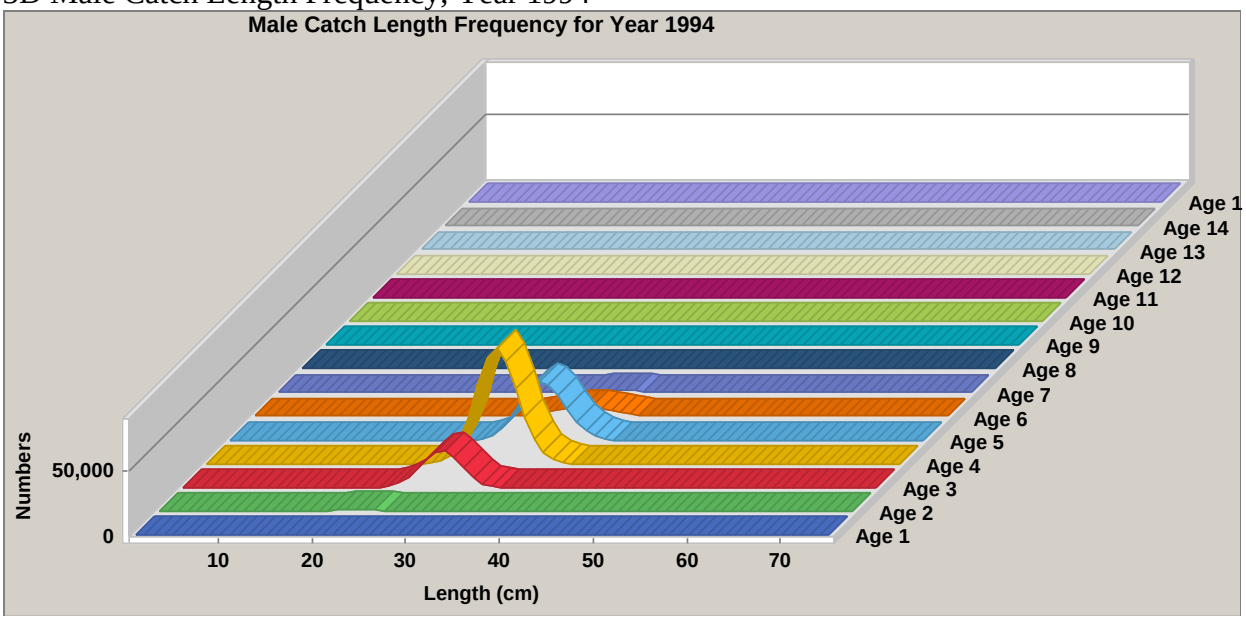
3D Male Catch Length Frequency, Year 1992



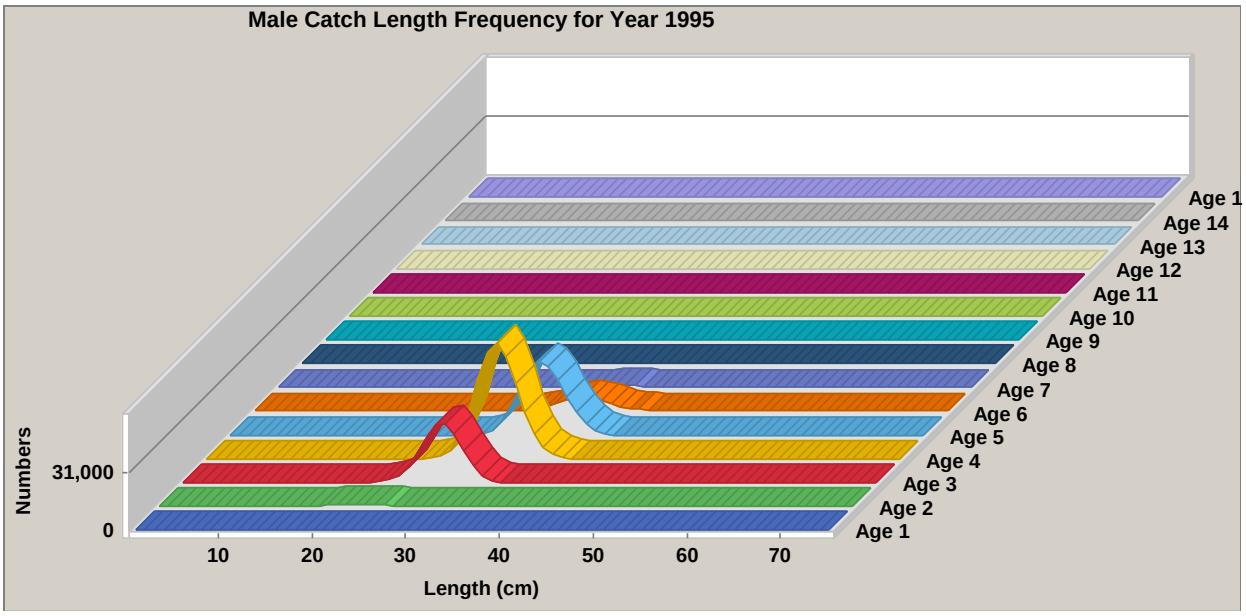
3D Male Catch Length Frequency, Year 1993



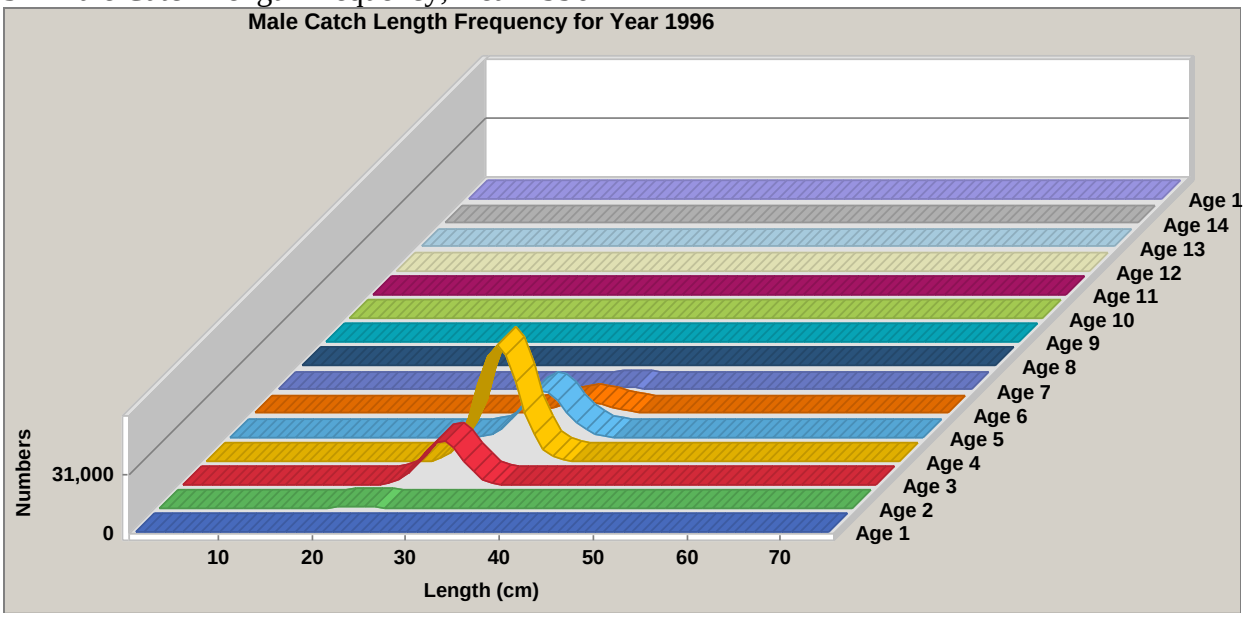
3D Male Catch Length Frequency, Year 1994



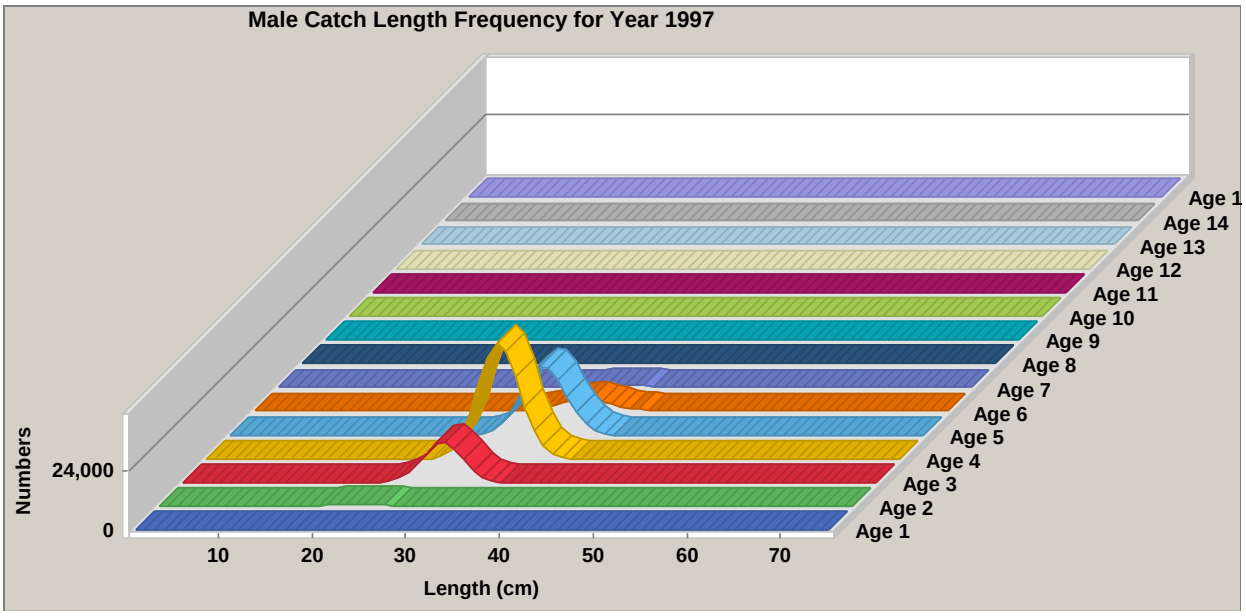
3D Male Catch Length Frequency, Year 1995



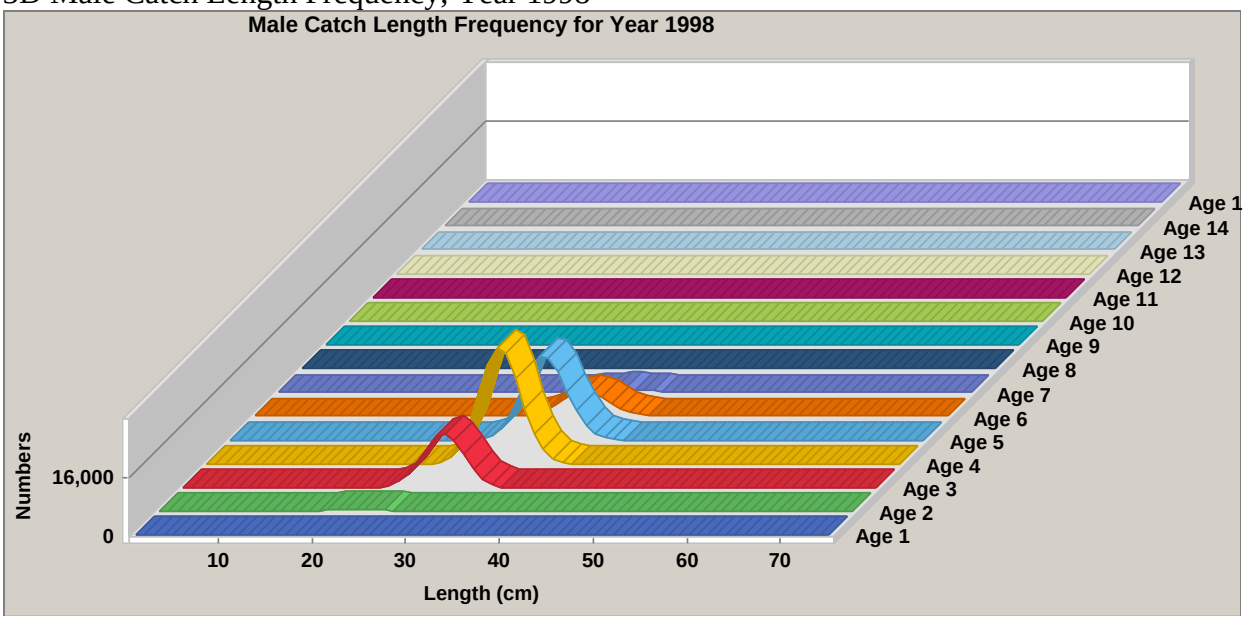
3D Male Catch Length Frequency, Year 1996



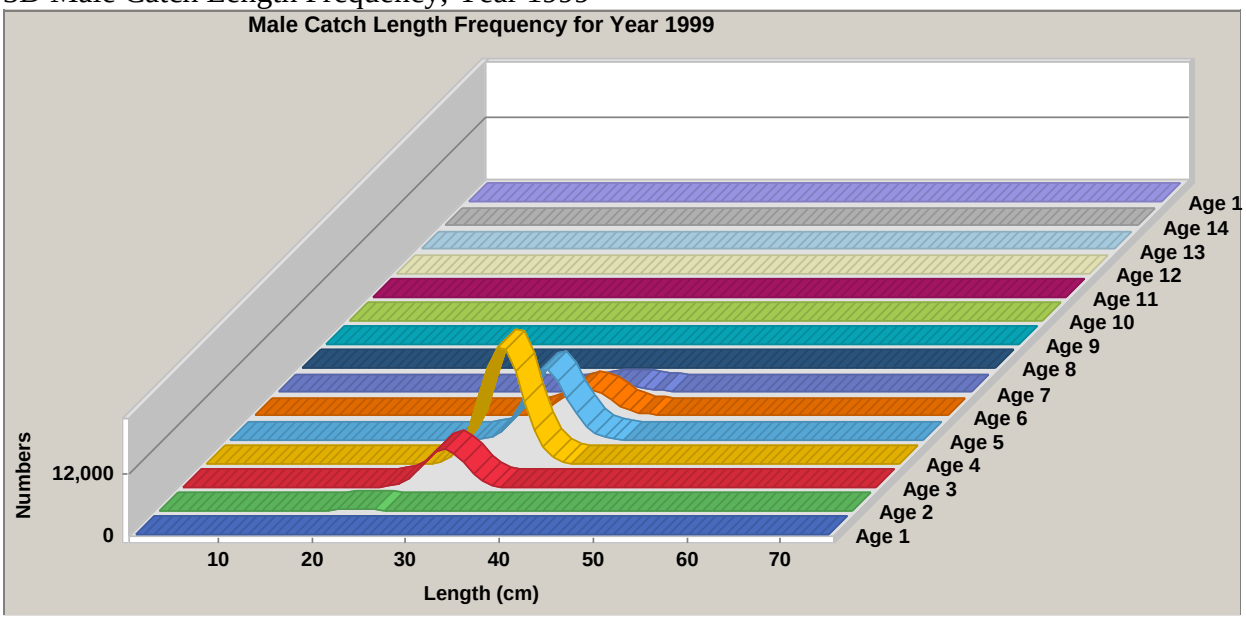
3D Male Catch Length Frequency, Year 1997



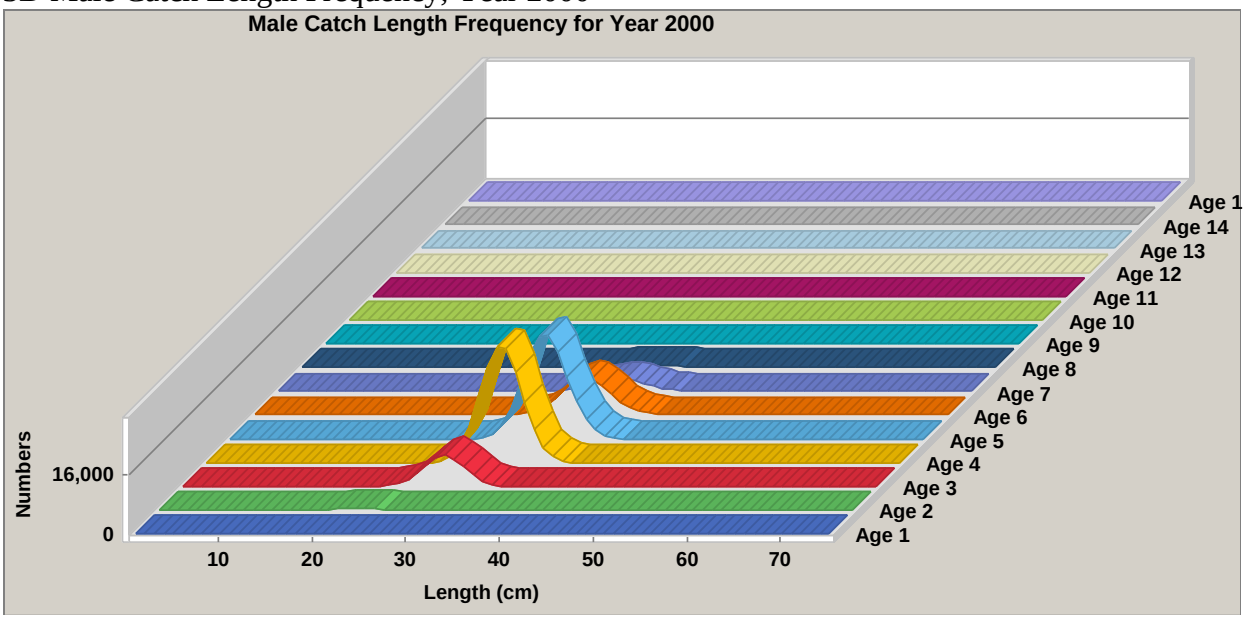
3D Male Catch Length Frequency, Year 1998



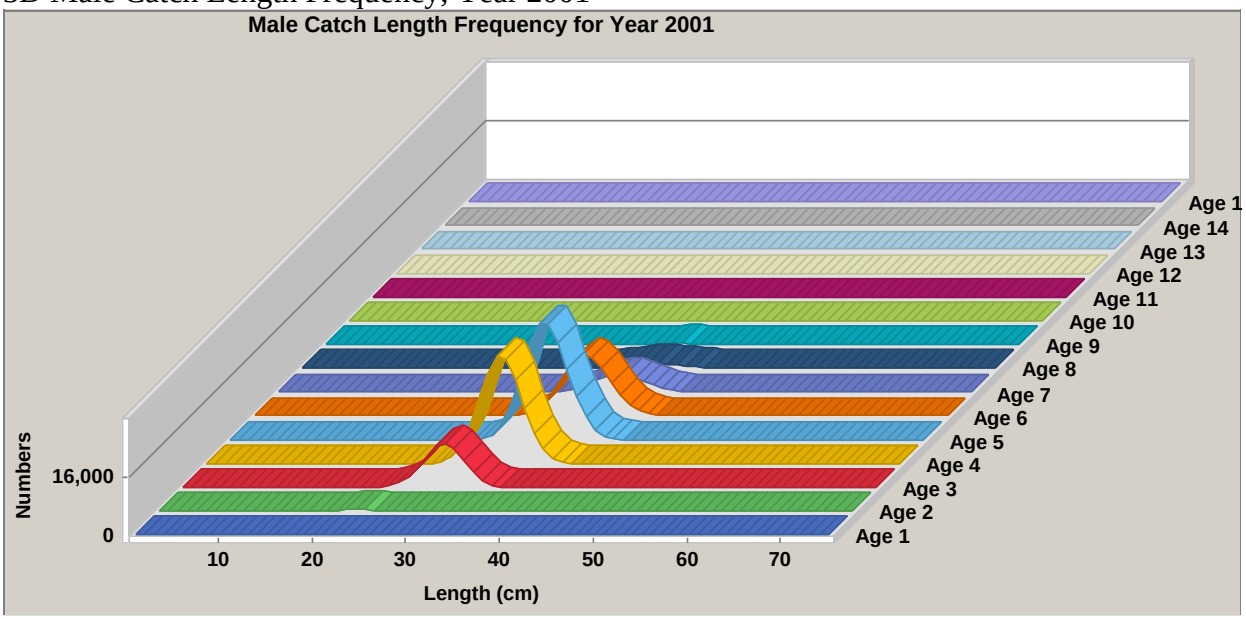
3D Male Catch Length Frequency, Year 1999



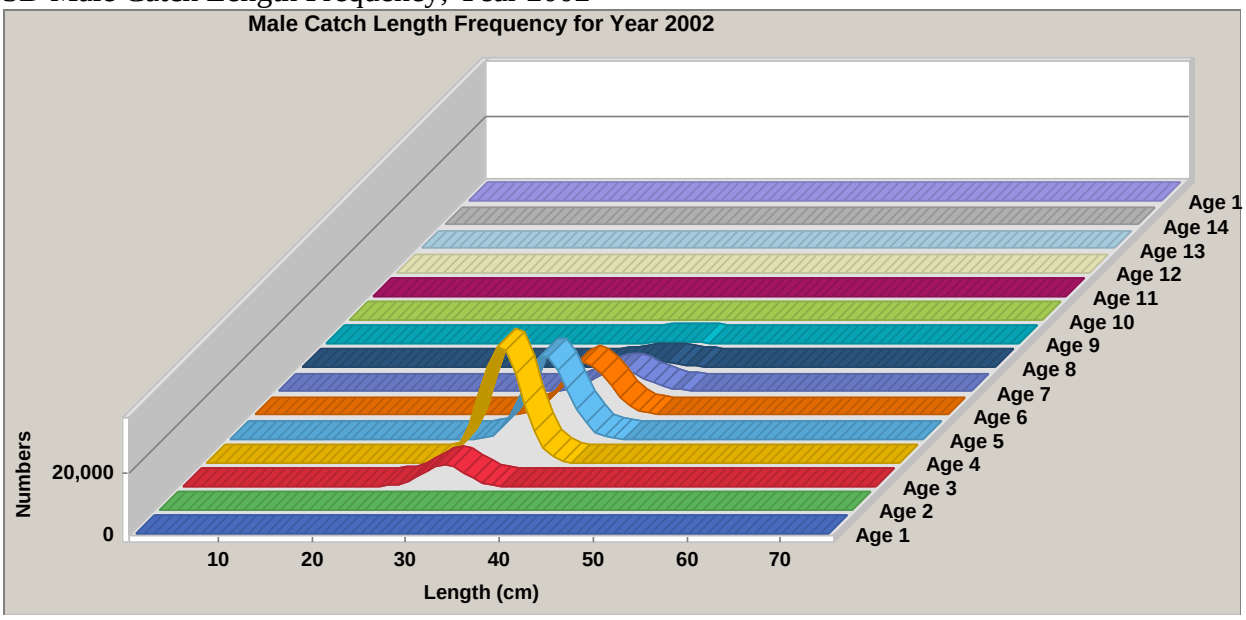
3D Male Catch Length Frequency, Year 2000



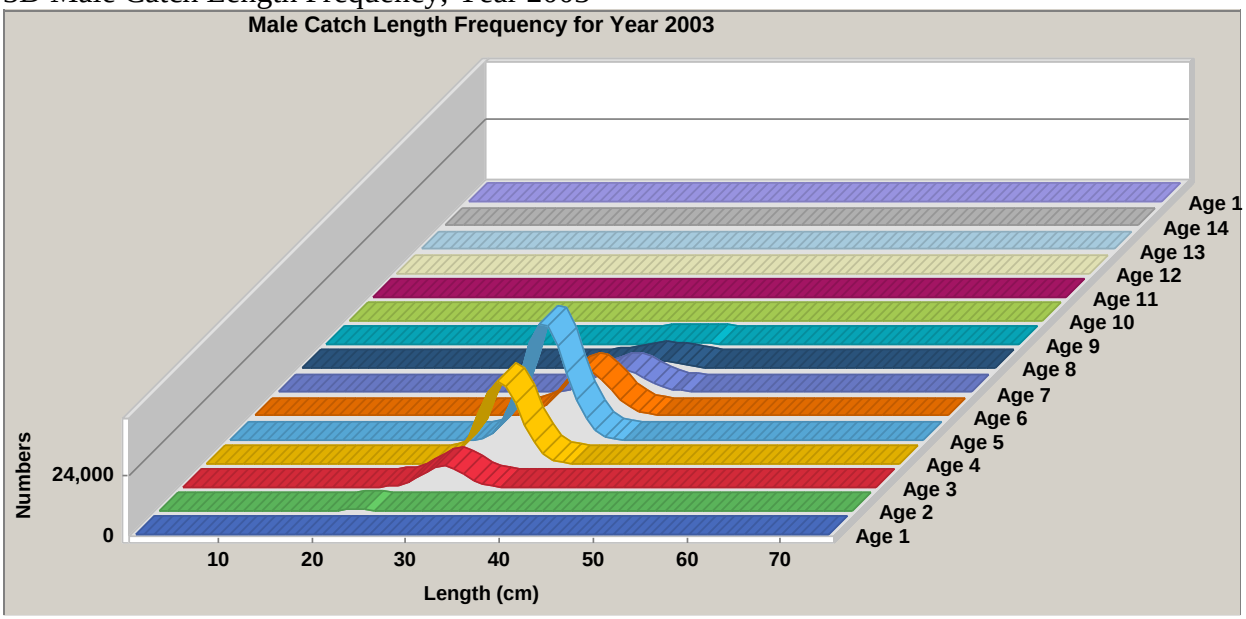
3D Male Catch Length Frequency, Year 2001



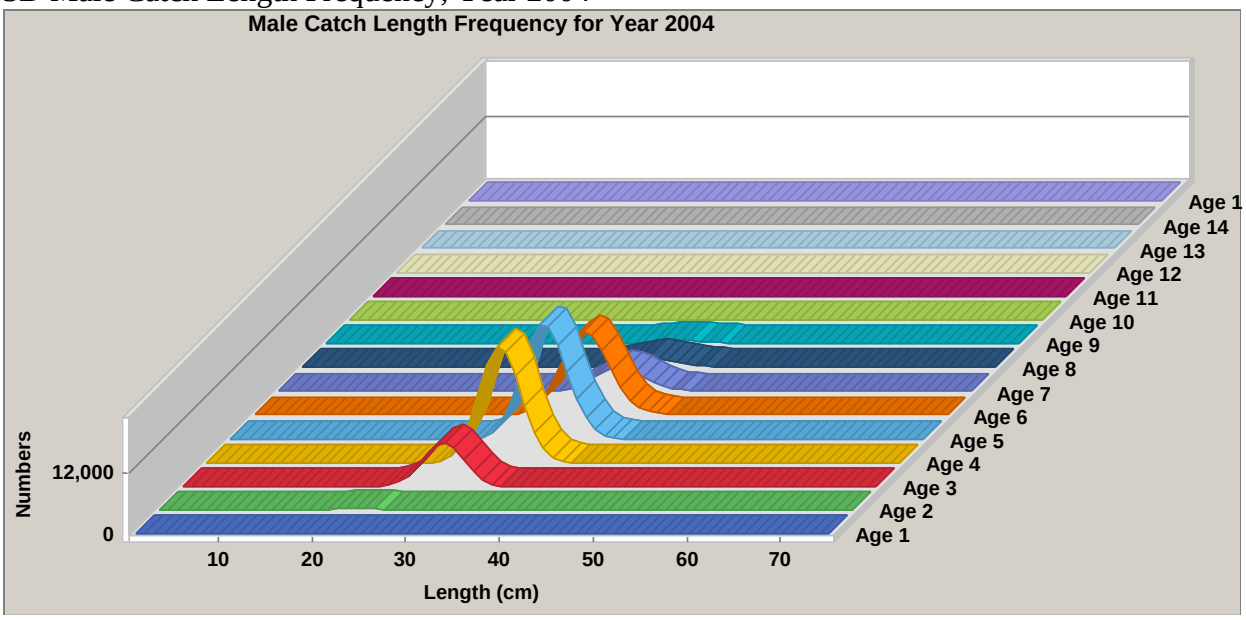
3D Male Catch Length Frequency, Year 2002



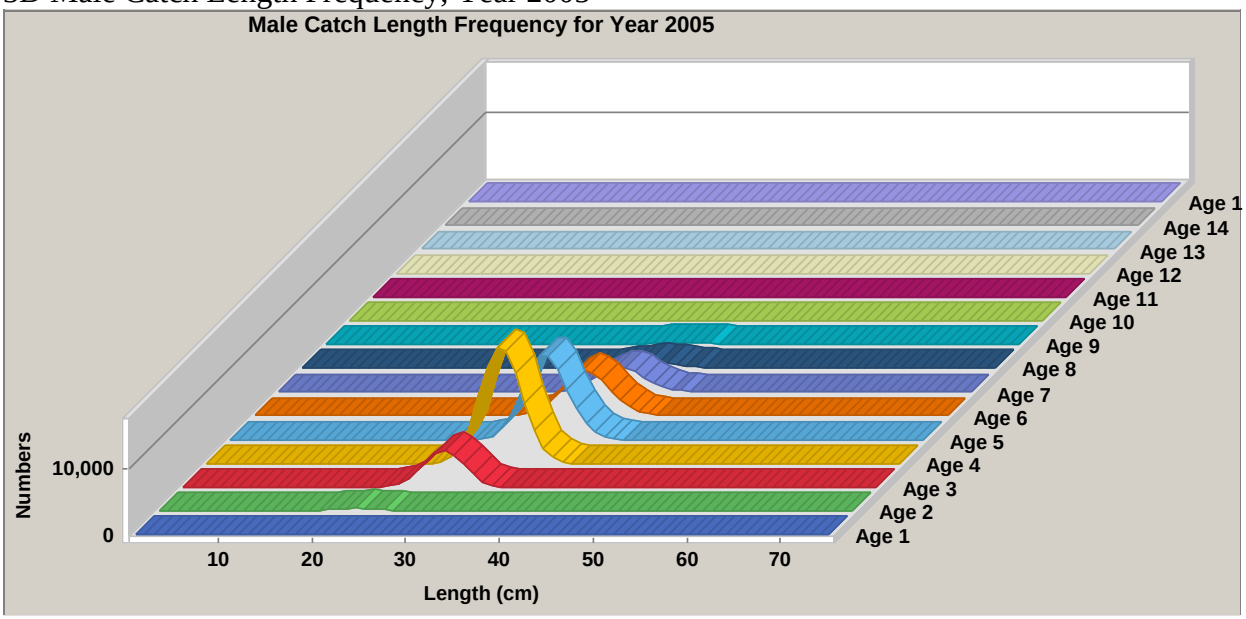
3D Male Catch Length Frequency, Year 2003



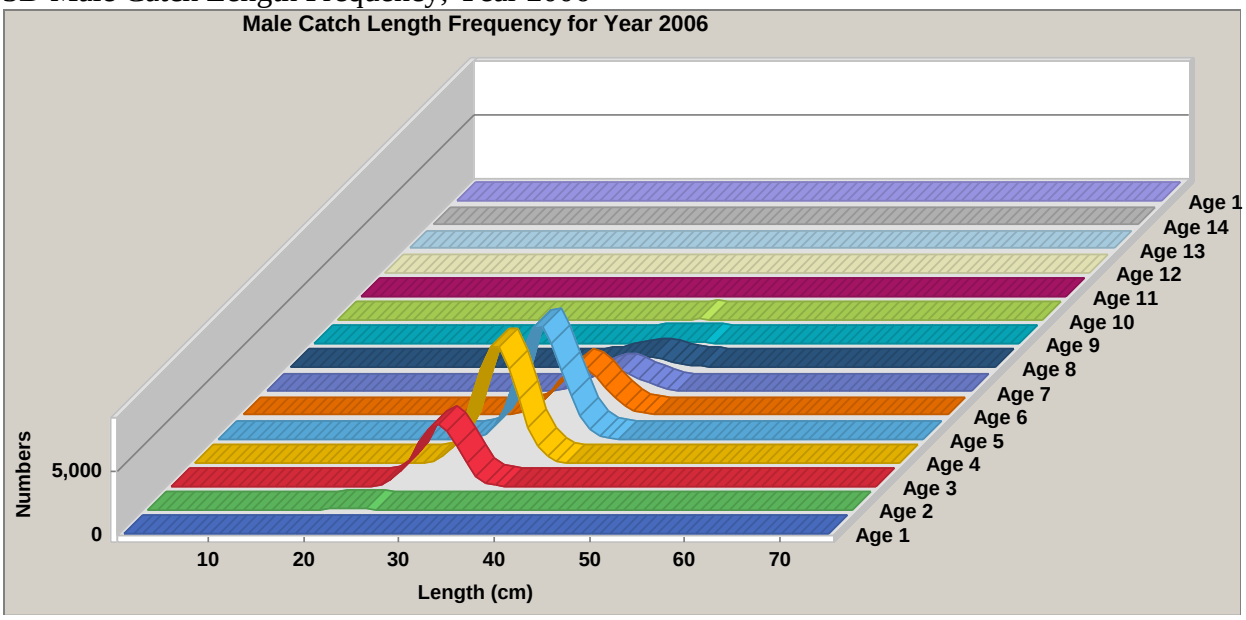
3D Male Catch Length Frequency, Year 2004



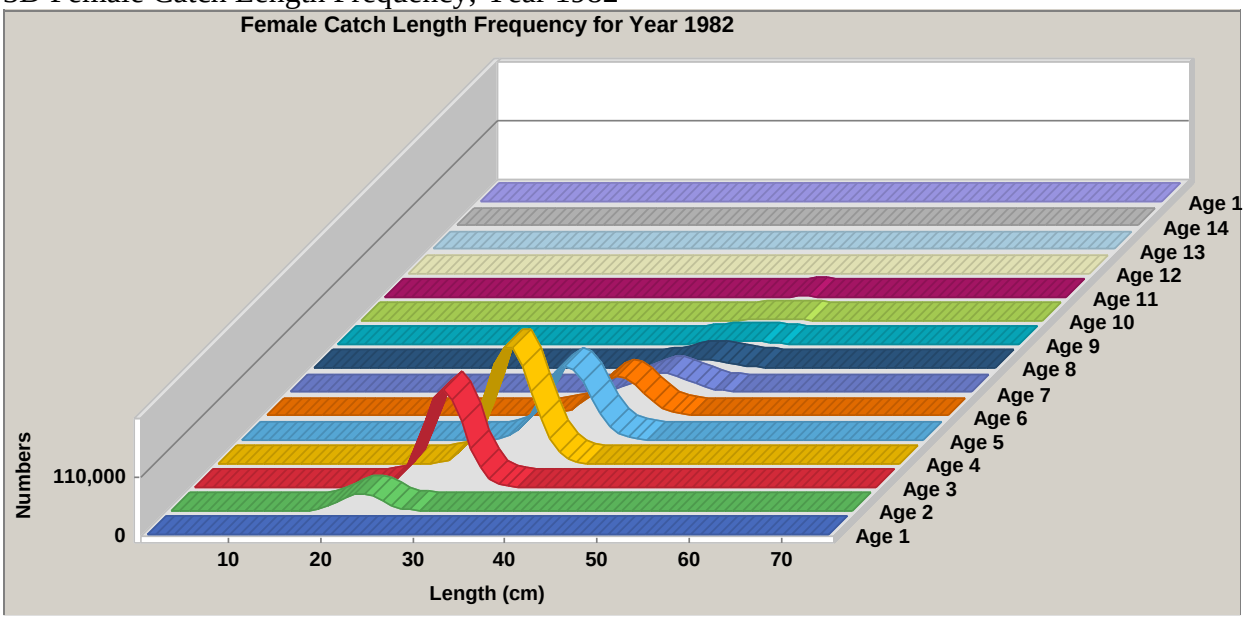
3D Male Catch Length Frequency, Year 2005



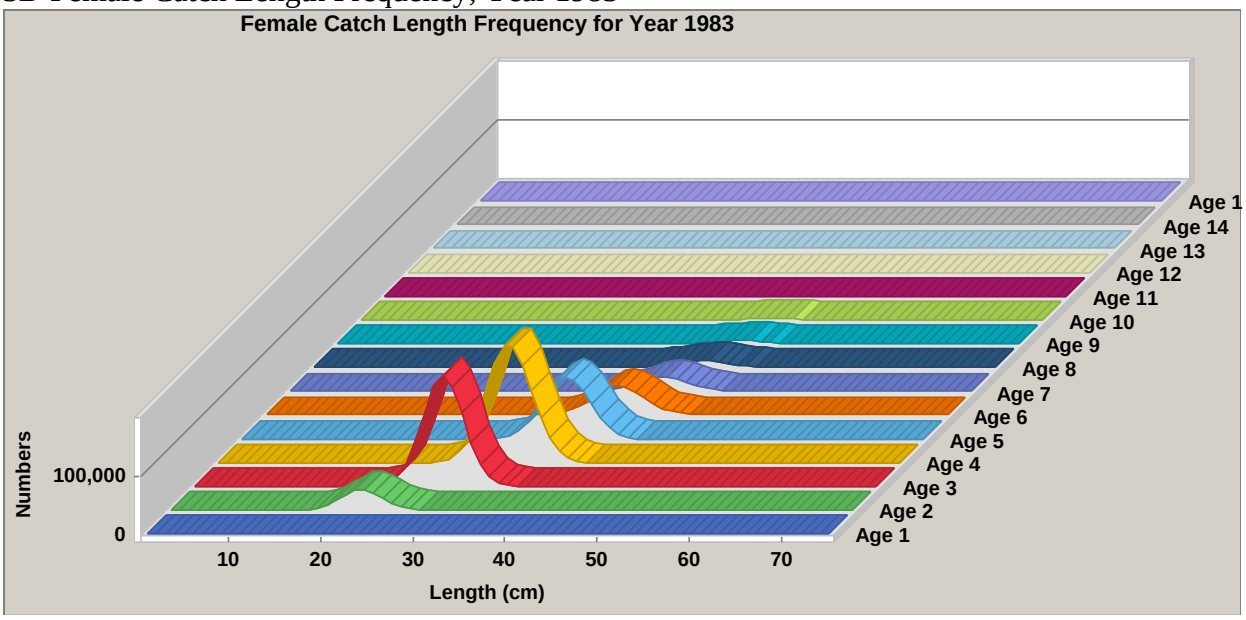
3D Male Catch Length Frequency, Year 2006



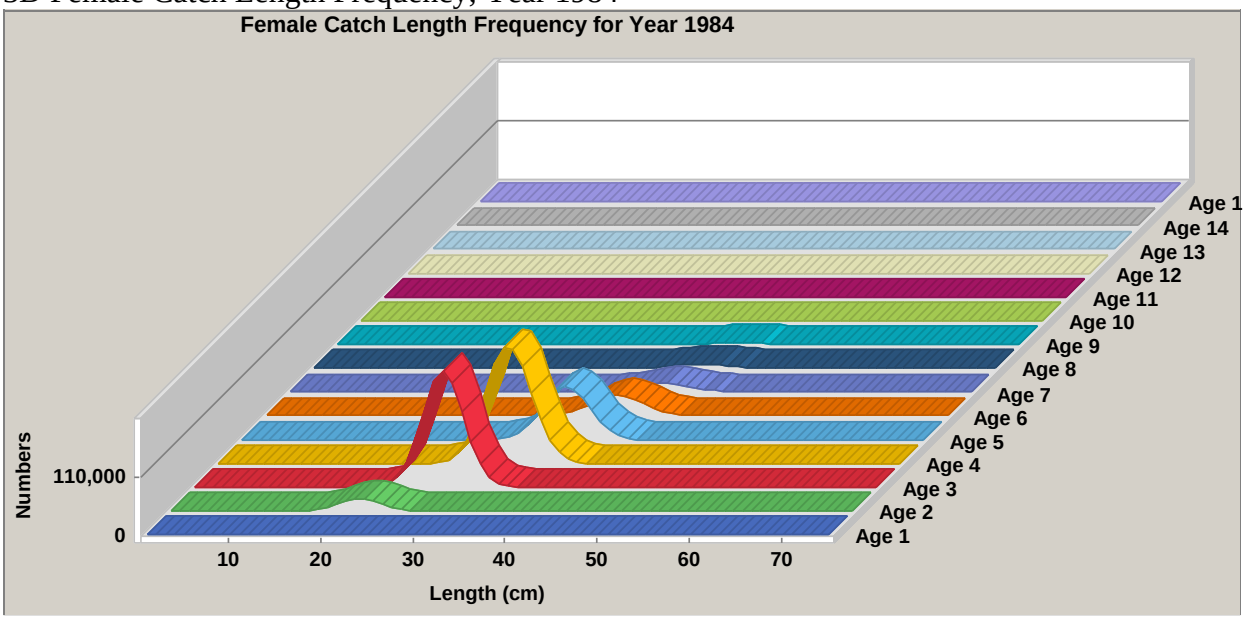
3D Female Catch Length Frequency, Year 1982



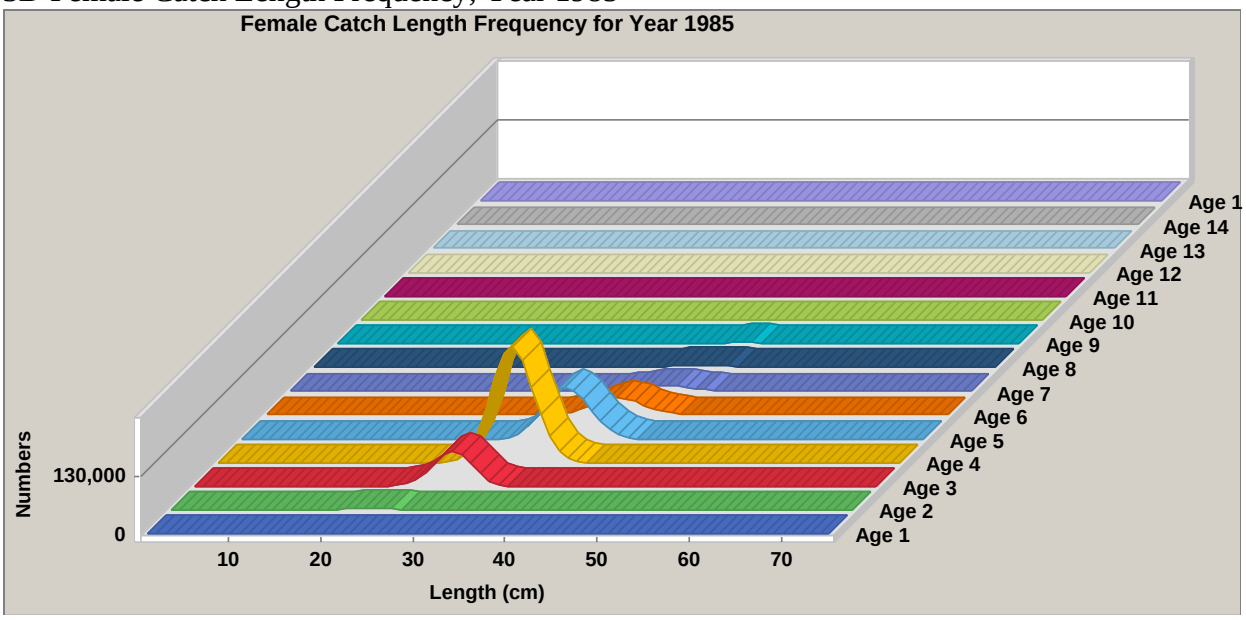
3D Female Catch Length Frequency, Year 1983



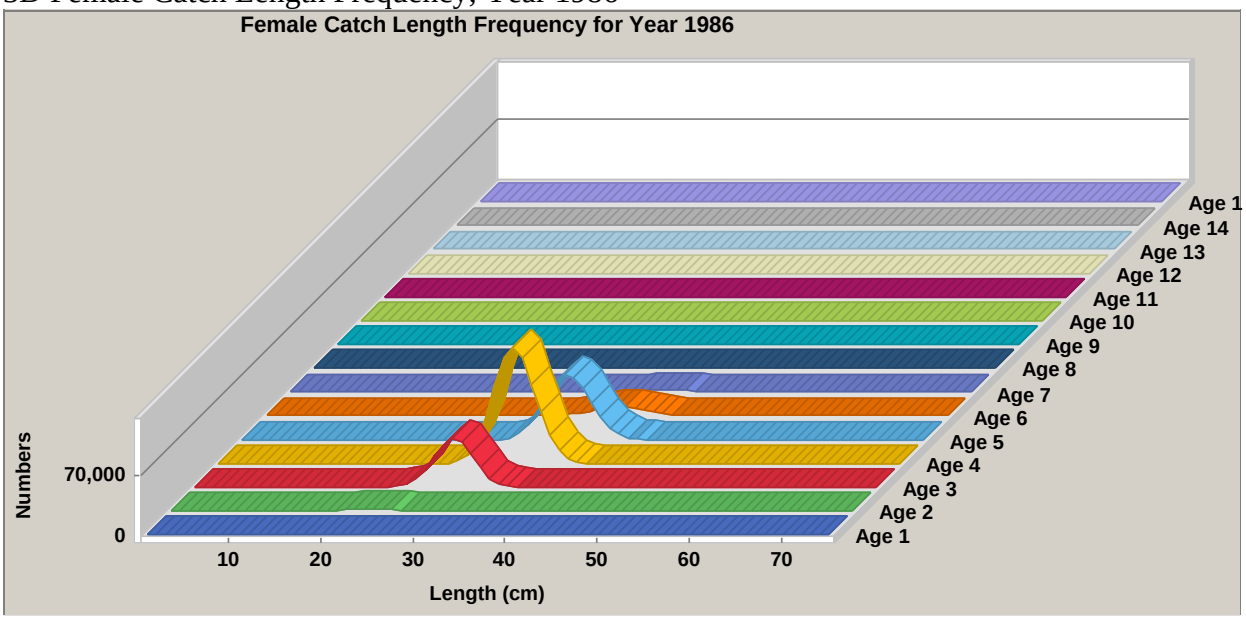
3D Female Catch Length Frequency, Year 1984



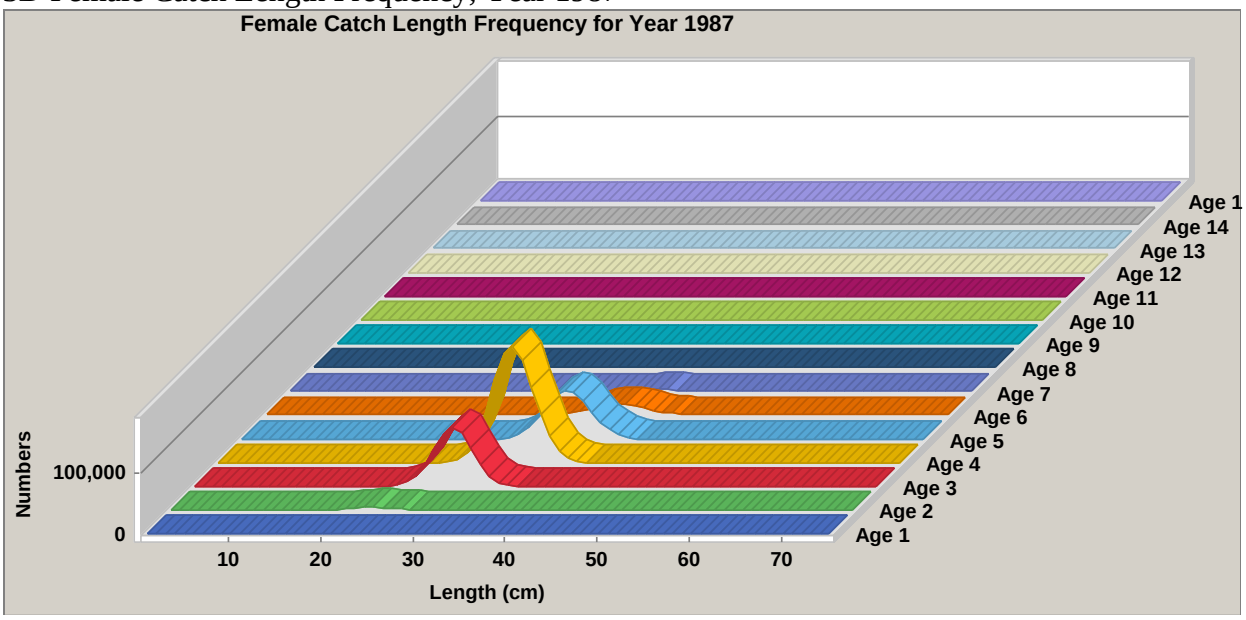
3D Female Catch Length Frequency, Year 1985



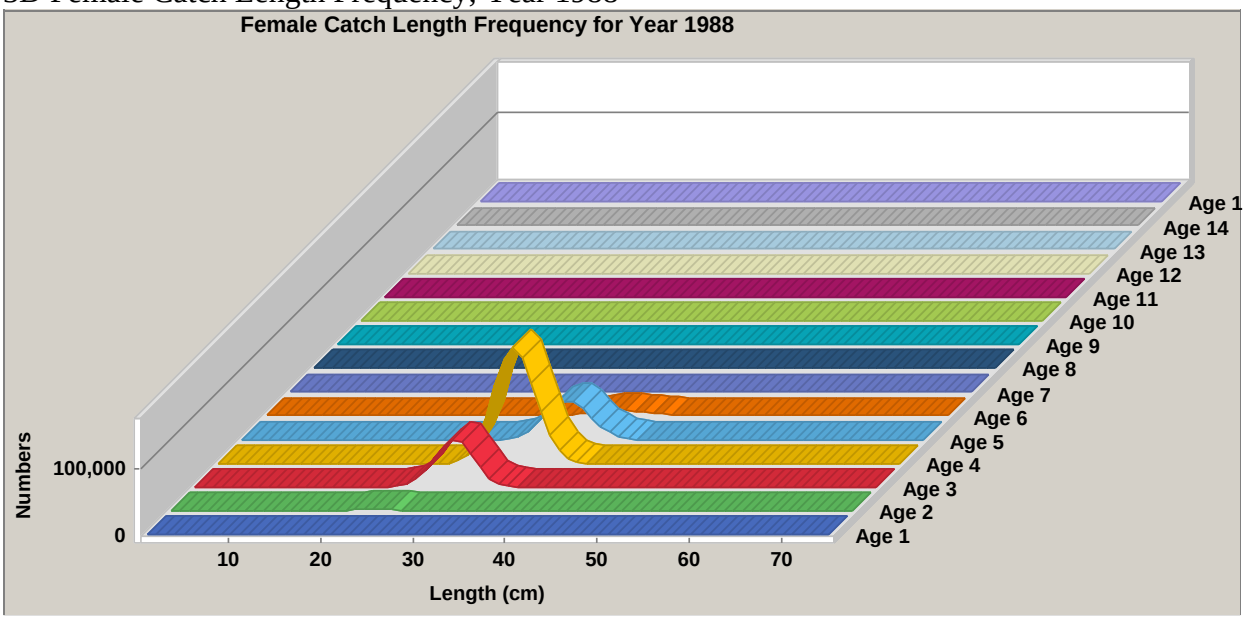
3D Female Catch Length Frequency, Year 1986



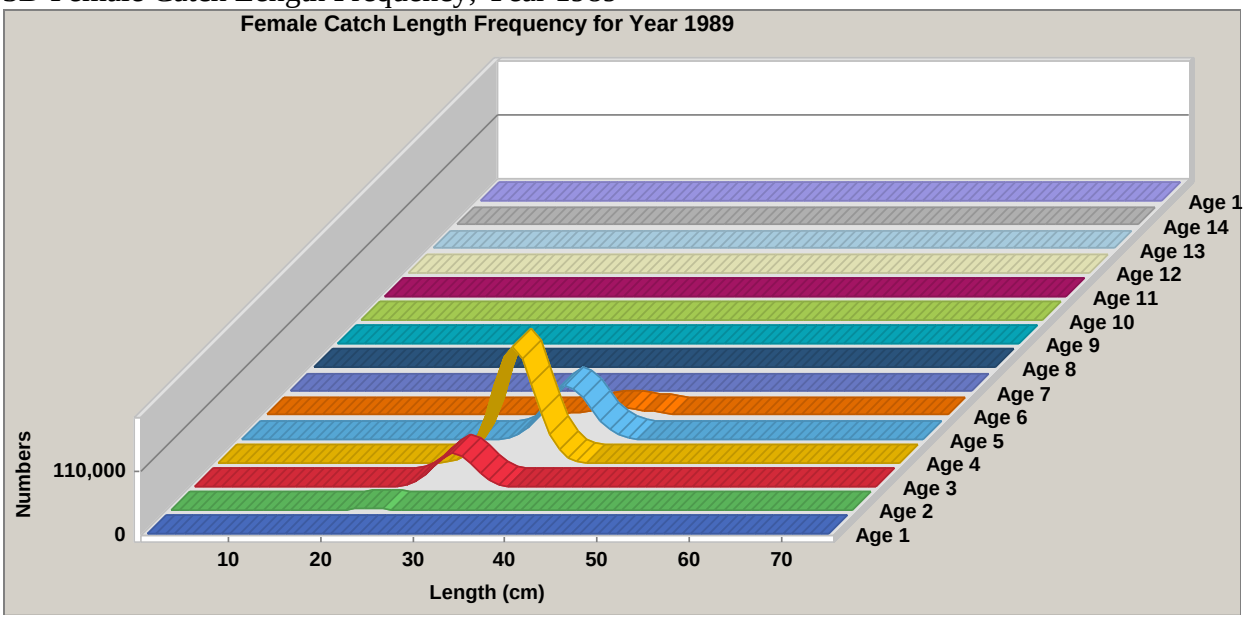
3D Female Catch Length Frequency, Year 1987



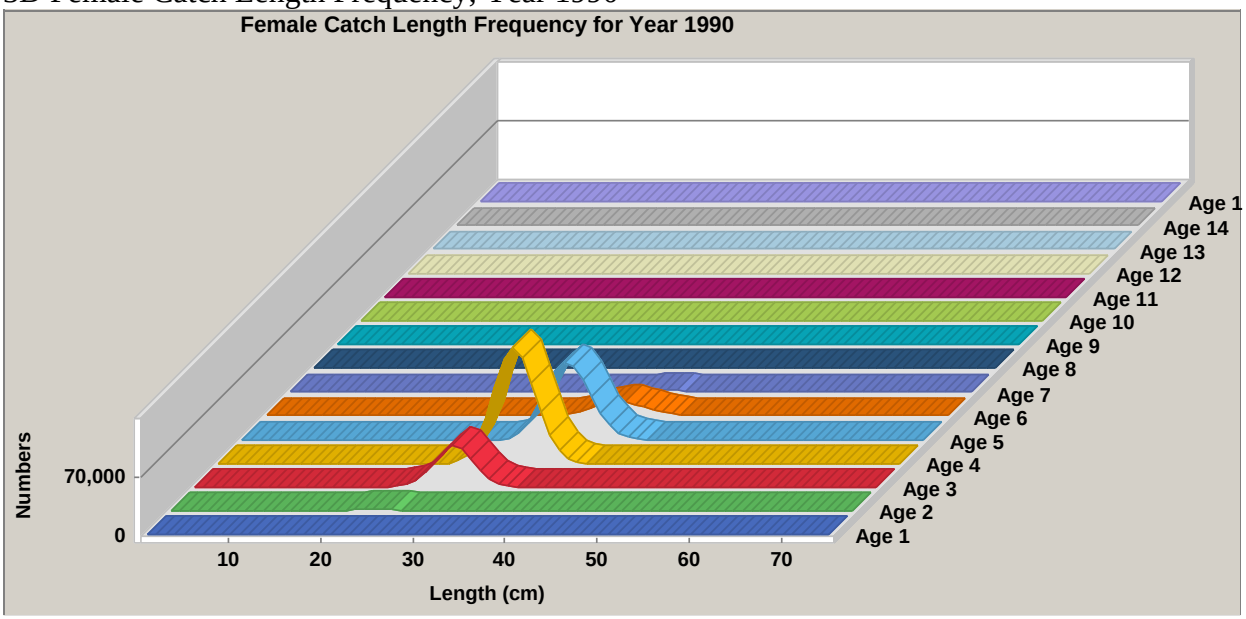
3D Female Catch Length Frequency, Year 1988



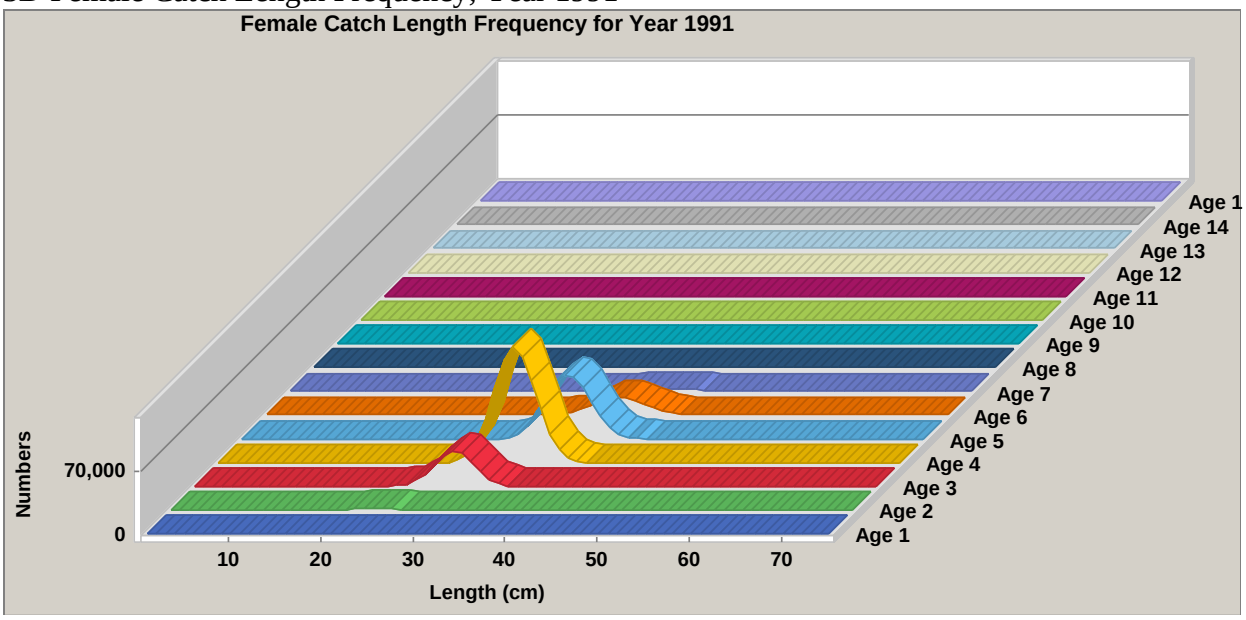
3D Female Catch Length Frequency, Year 1989



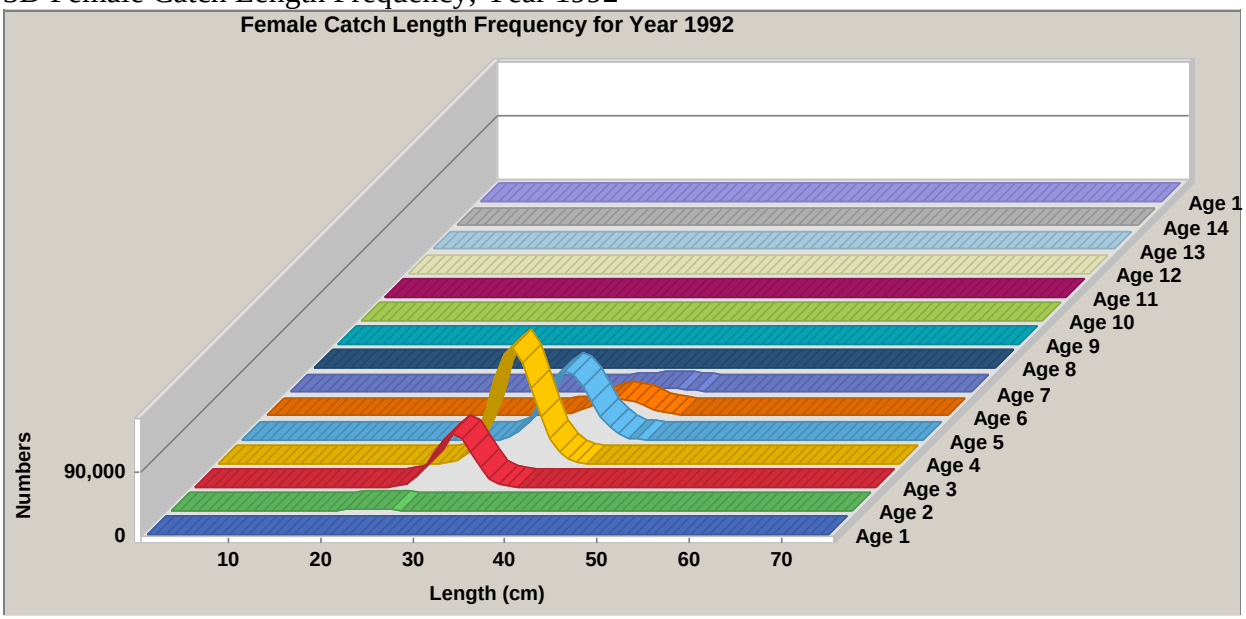
3D Female Catch Length Frequency, Year 1990



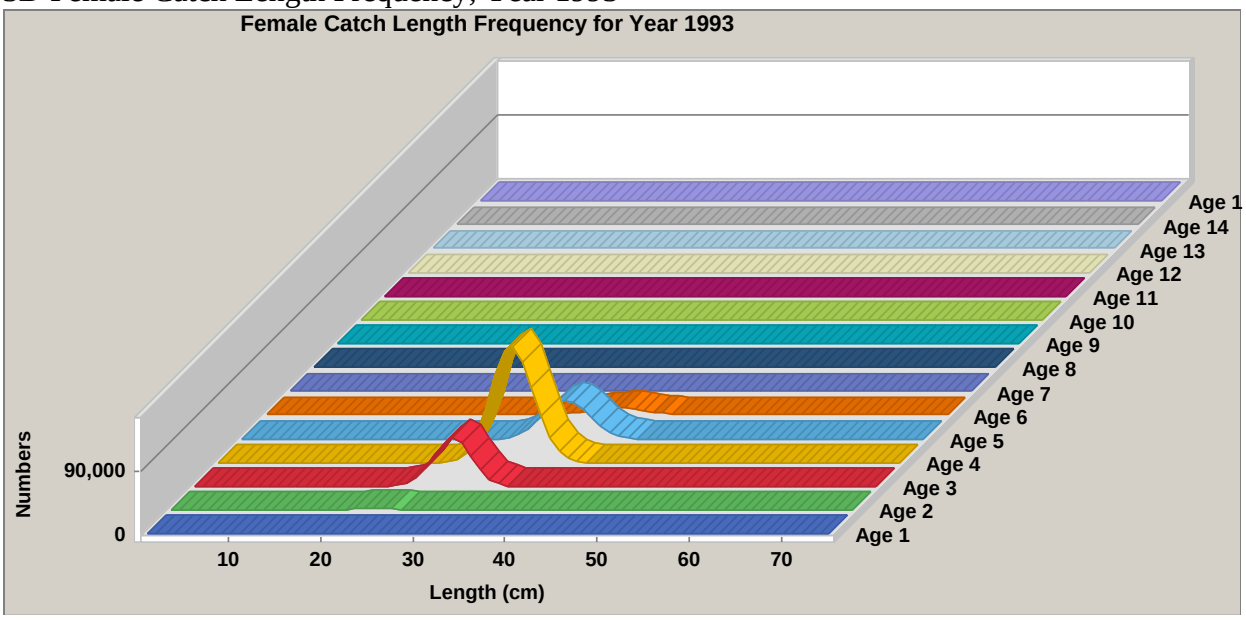
3D Female Catch Length Frequency, Year 1991



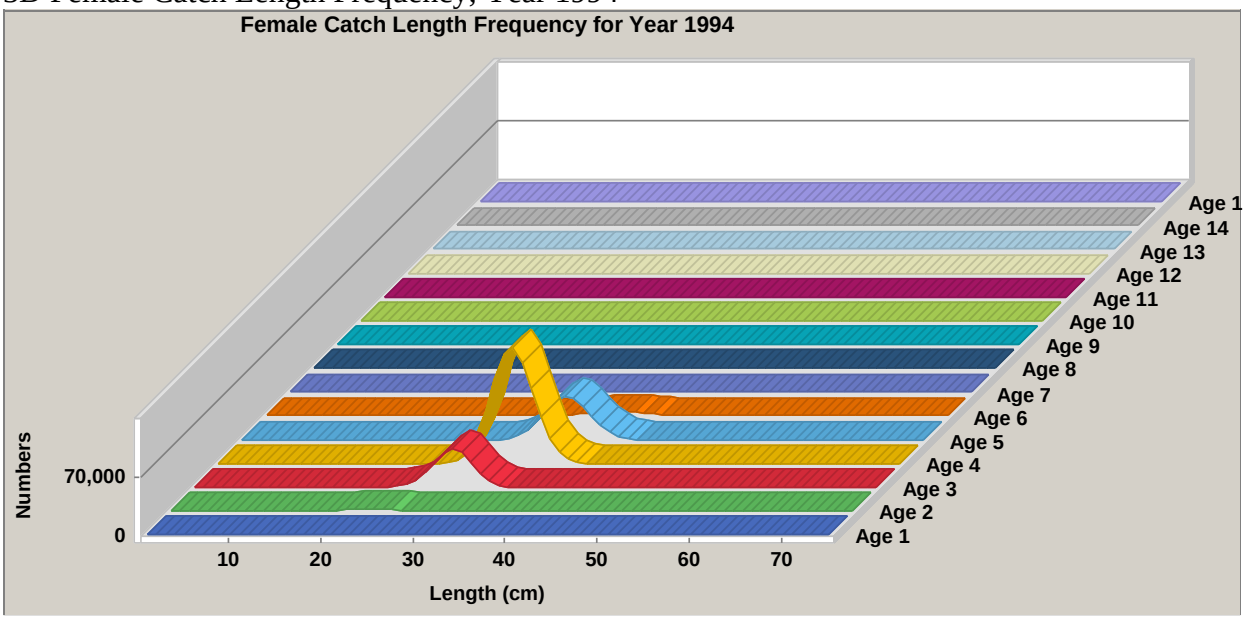
3D Female Catch Length Frequency, Year 1992



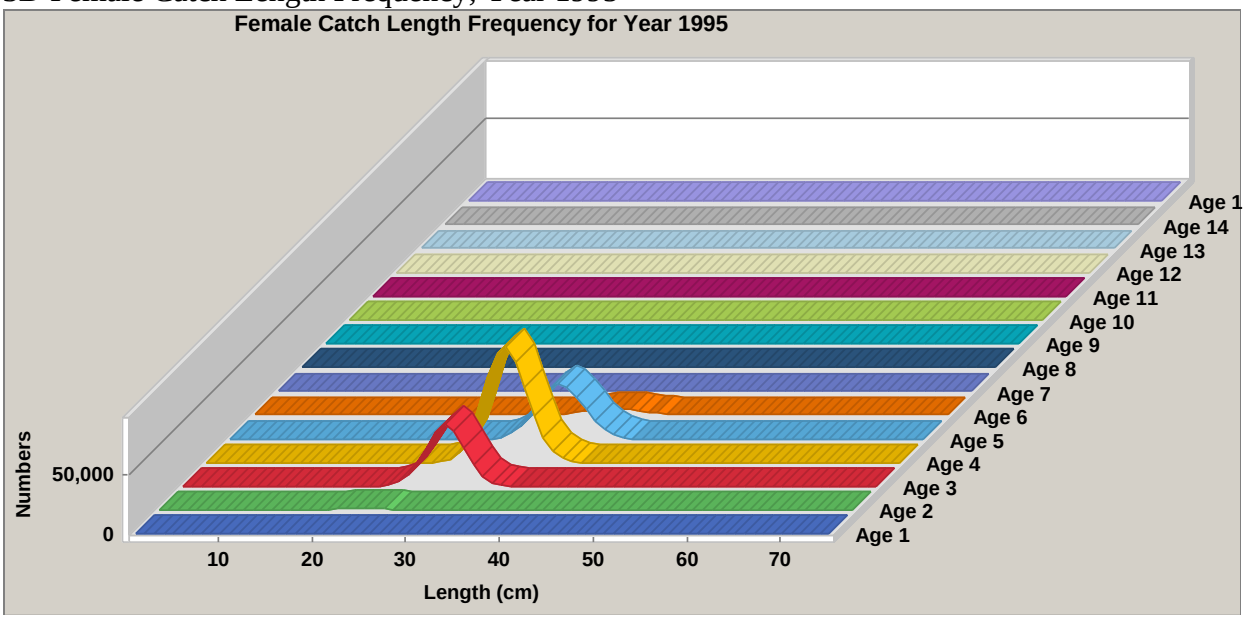
3D Female Catch Length Frequency, Year 1993



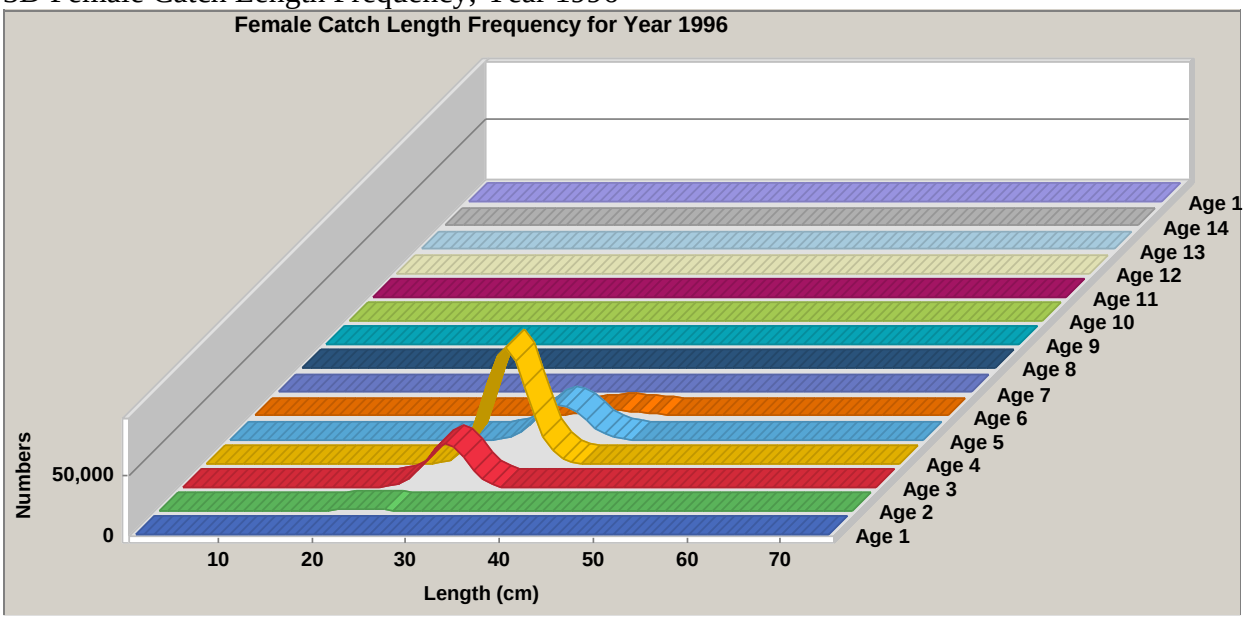
3D Female Catch Length Frequency, Year 1994



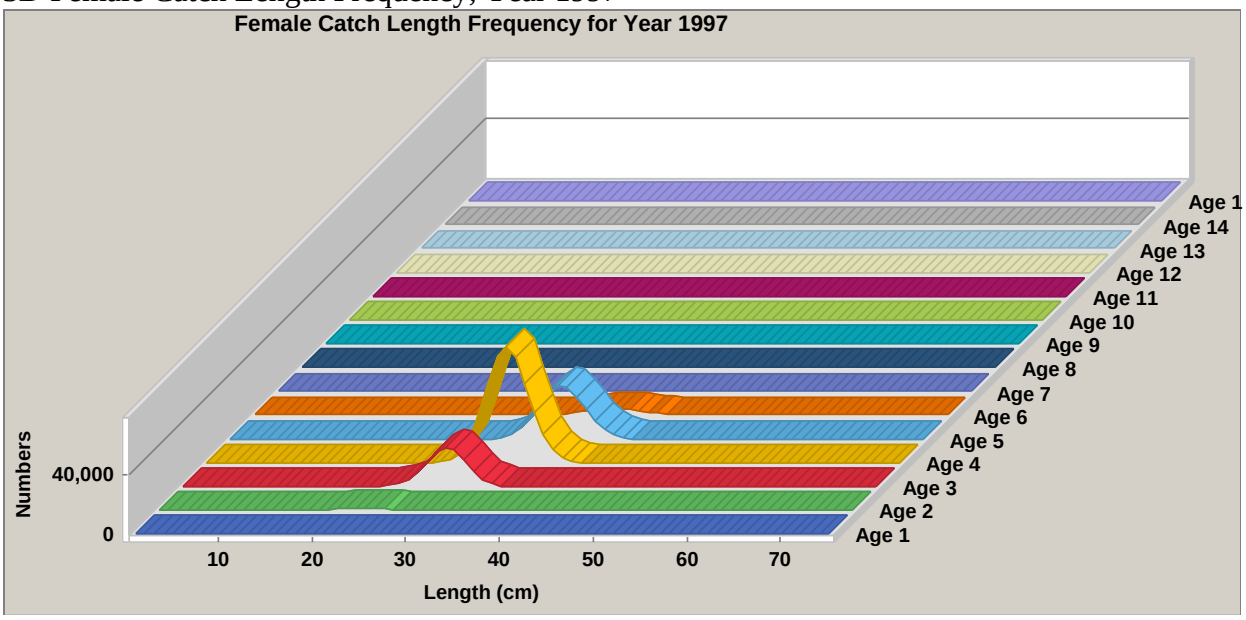
3D Female Catch Length Frequency, Year 1995



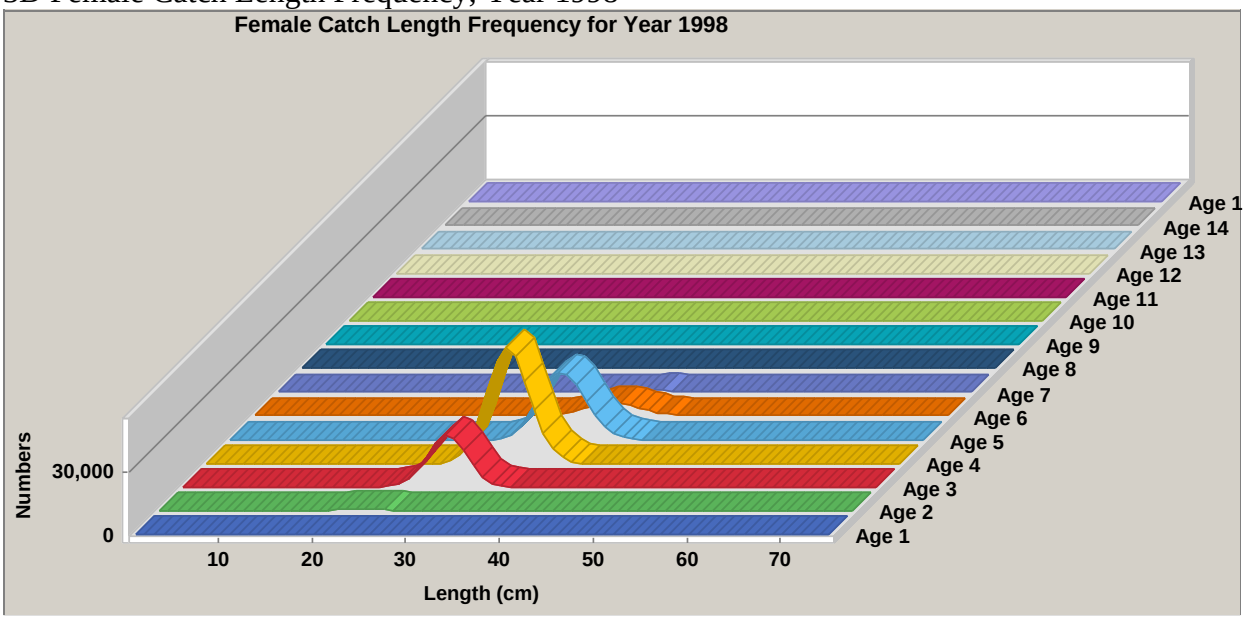
3D Female Catch Length Frequency, Year 1996



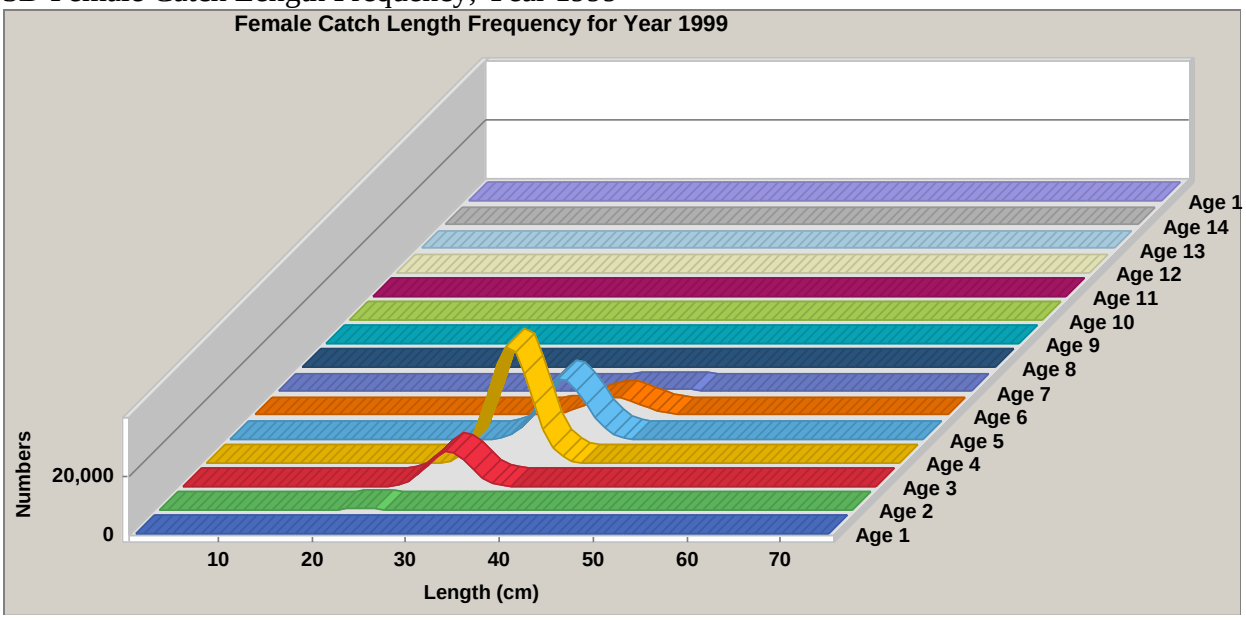
3D Female Catch Length Frequency, Year 1997



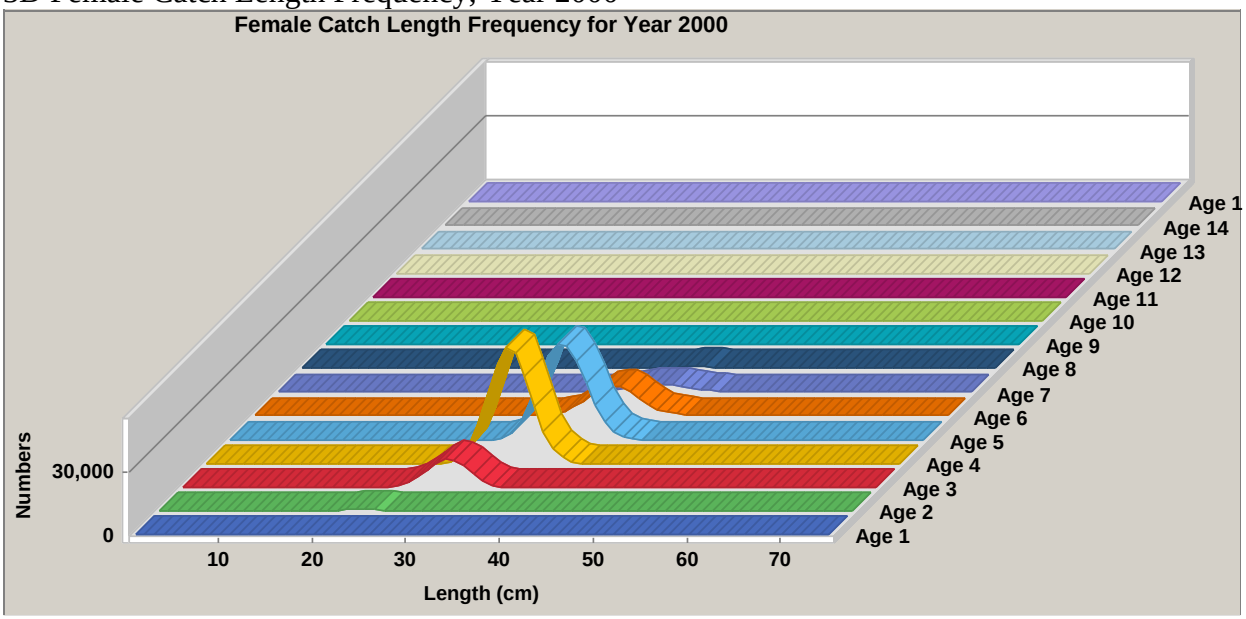
3D Female Catch Length Frequency, Year 1998



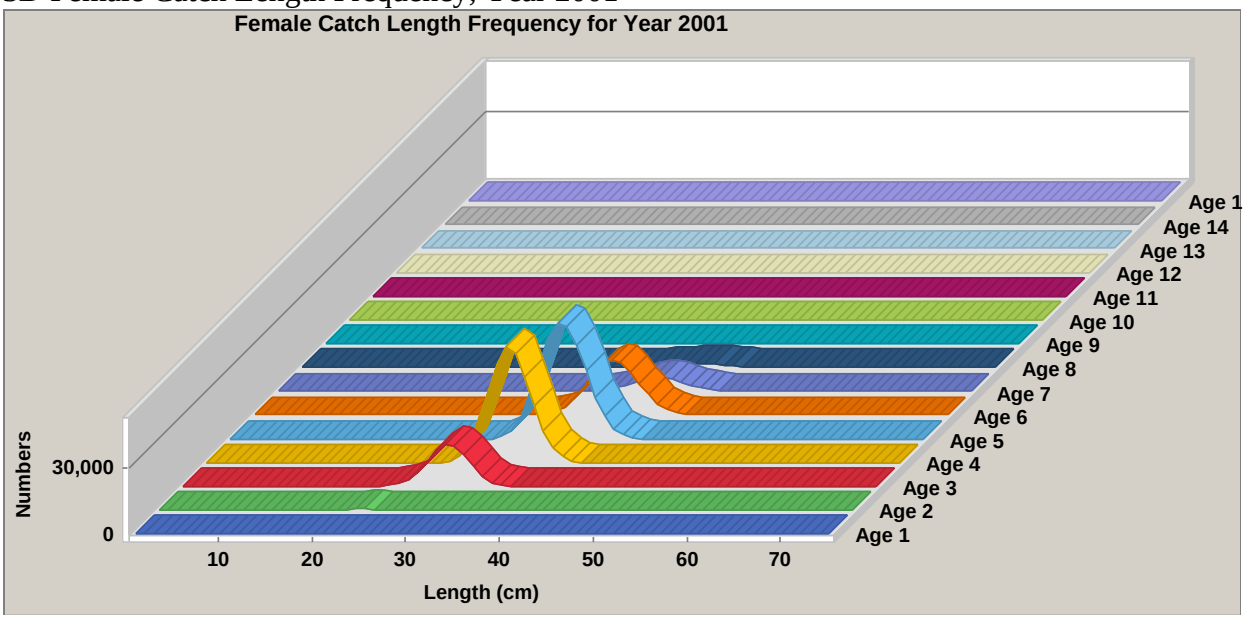
3D Female Catch Length Frequency, Year 1999



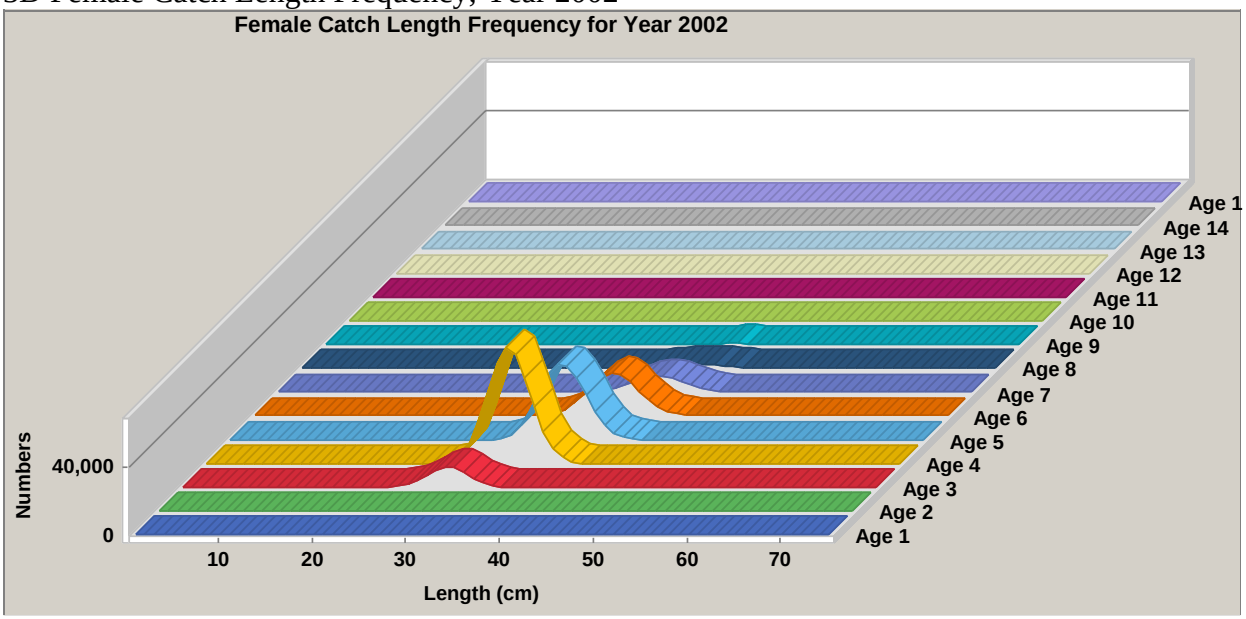
3D Female Catch Length Frequency, Year 2000



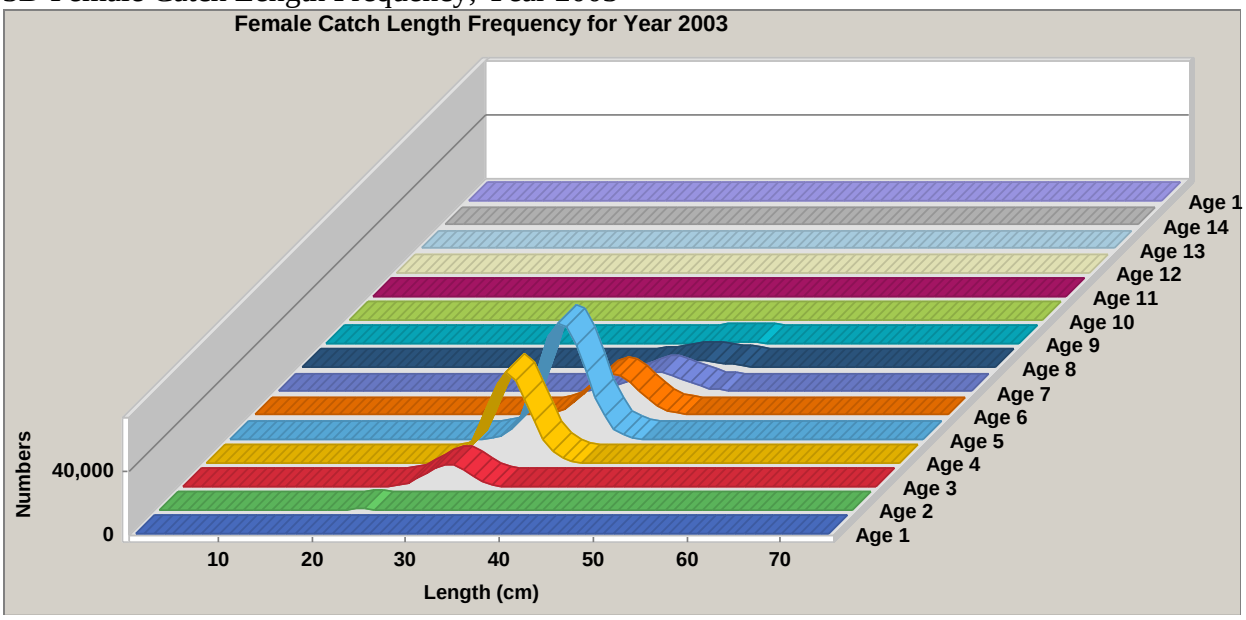
3D Female Catch Length Frequency, Year 2001



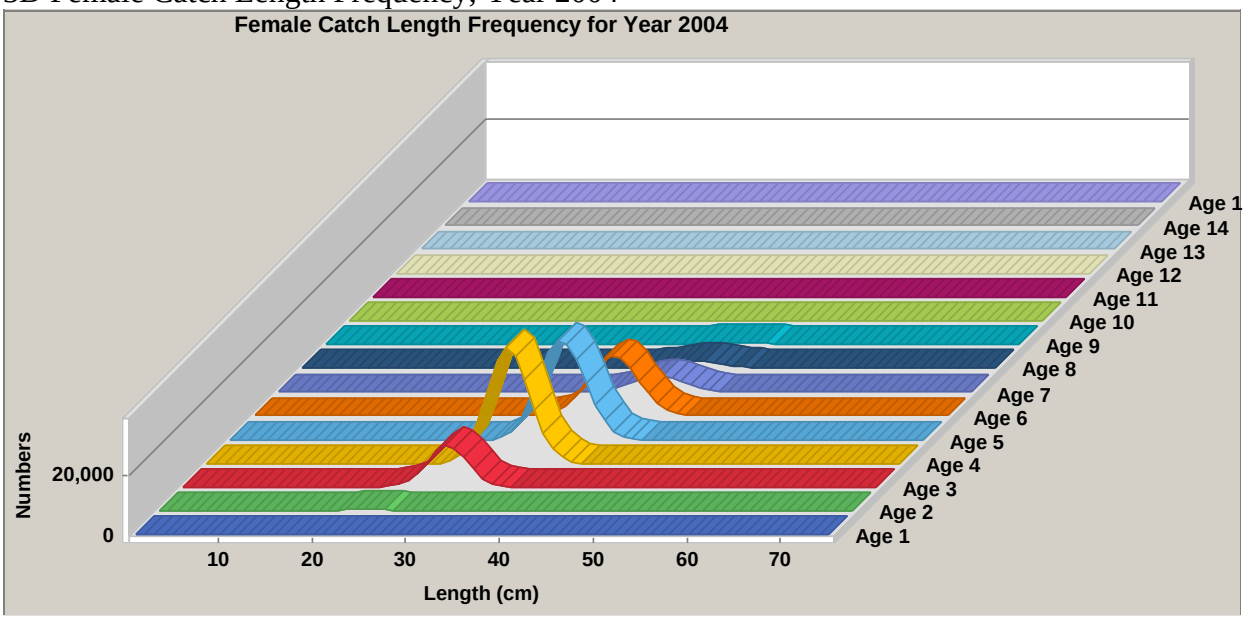
3D Female Catch Length Frequency, Year 2002



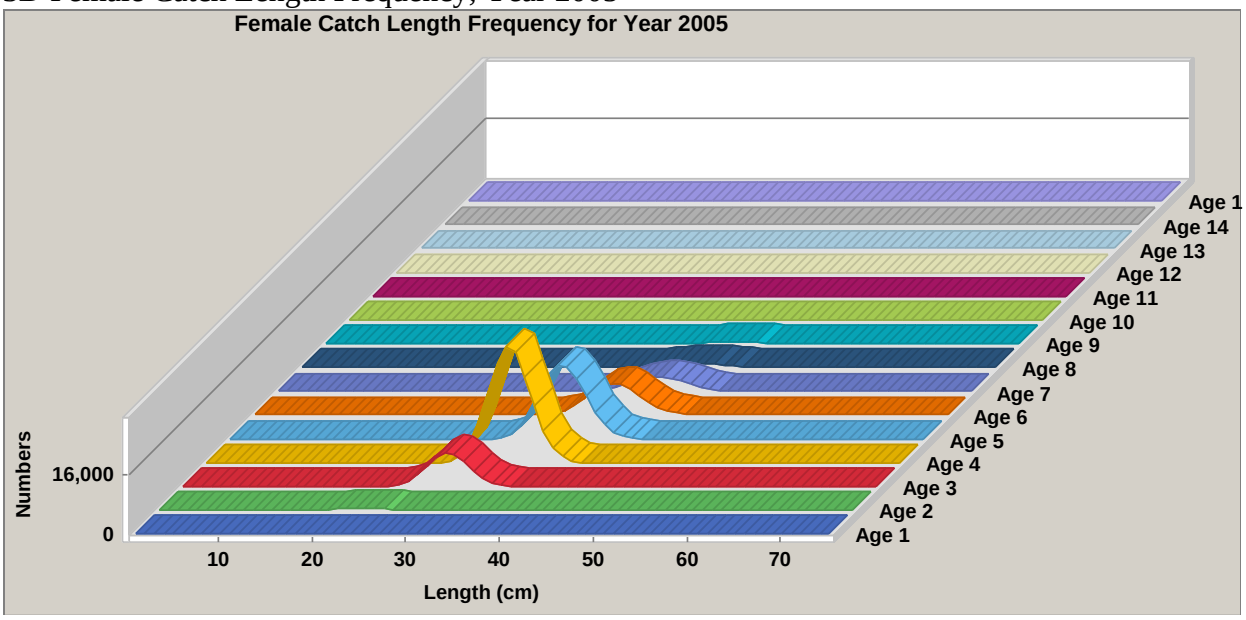
3D Female Catch Length Frequency, Year 2003



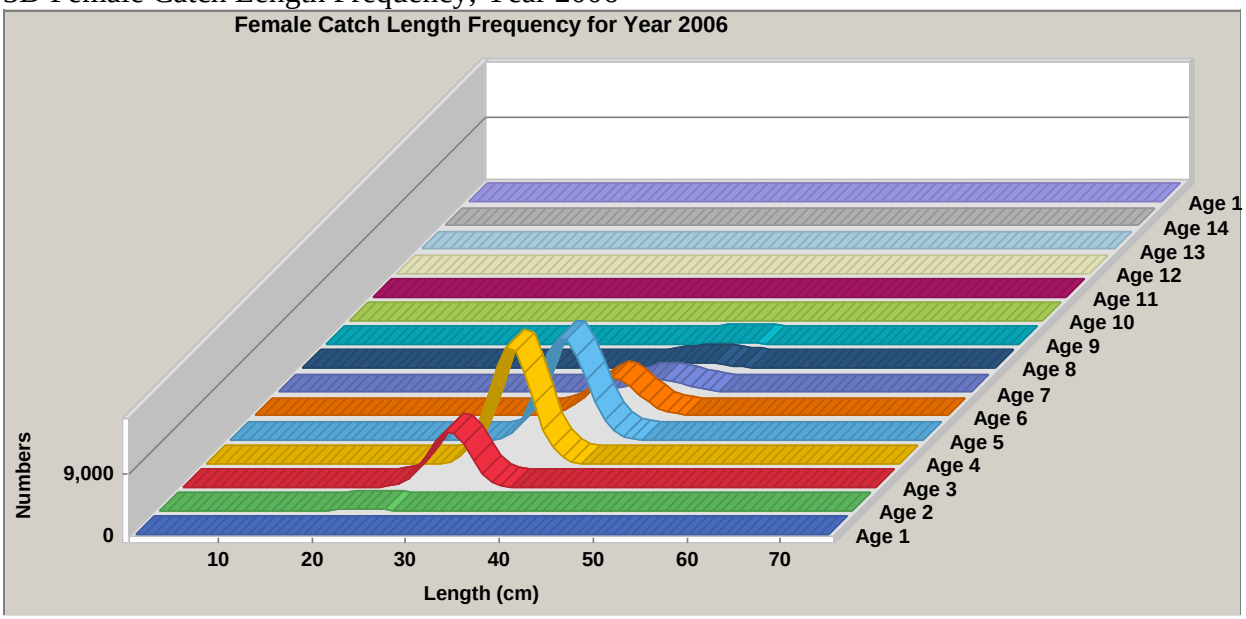
3D Female Catch Length Frequency, Year 2004



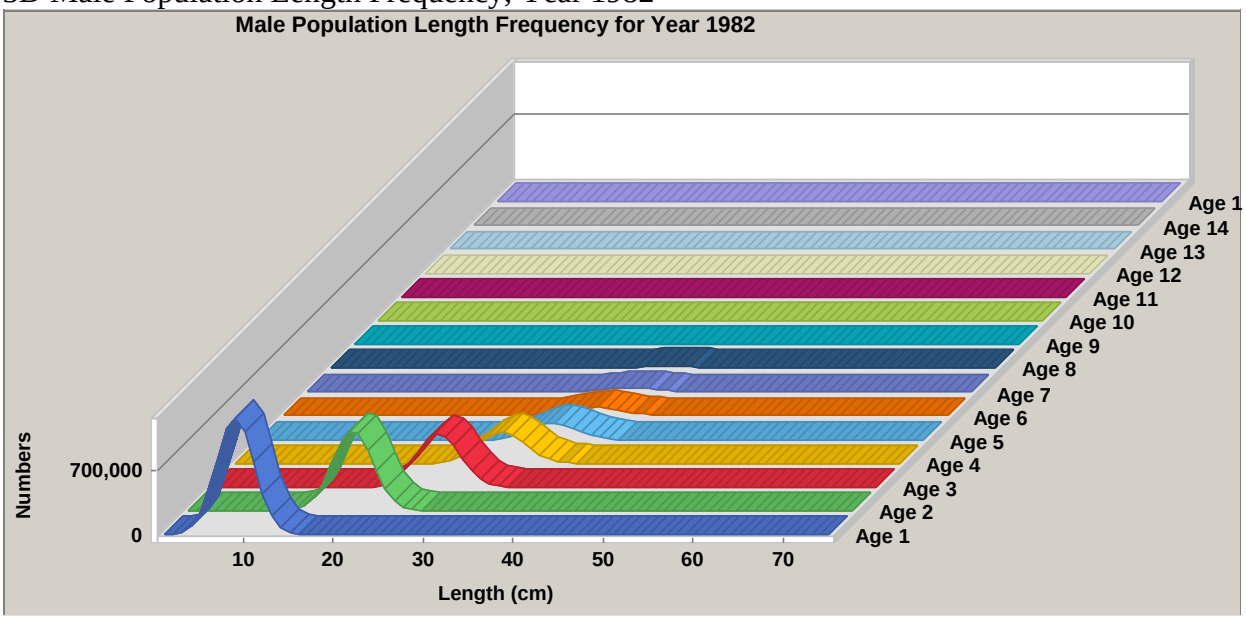
3D Female Catch Length Frequency, Year 2005



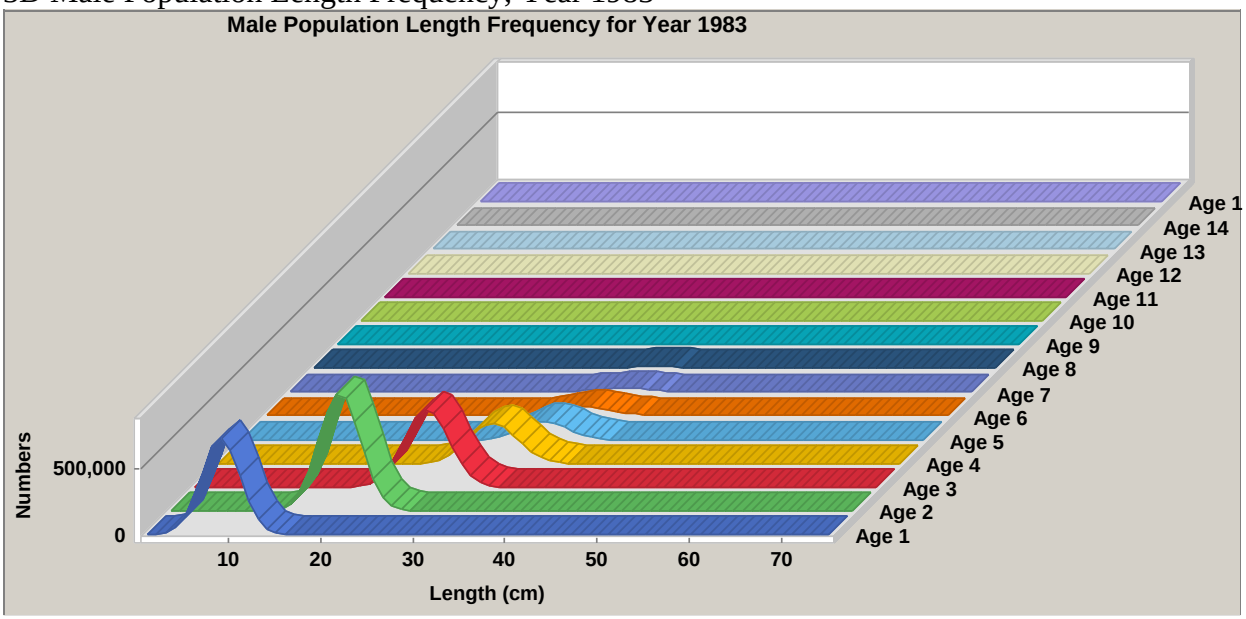
3D Female Catch Length Frequency, Year 2006



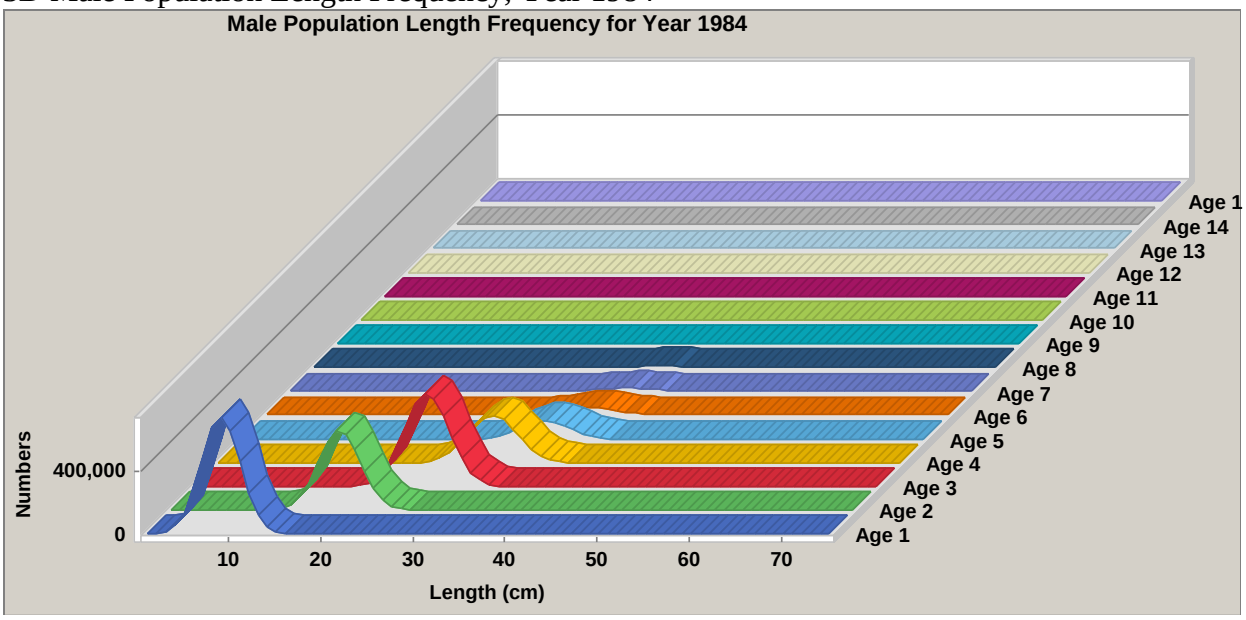
3D Male Population Length Frequency, Year 1982



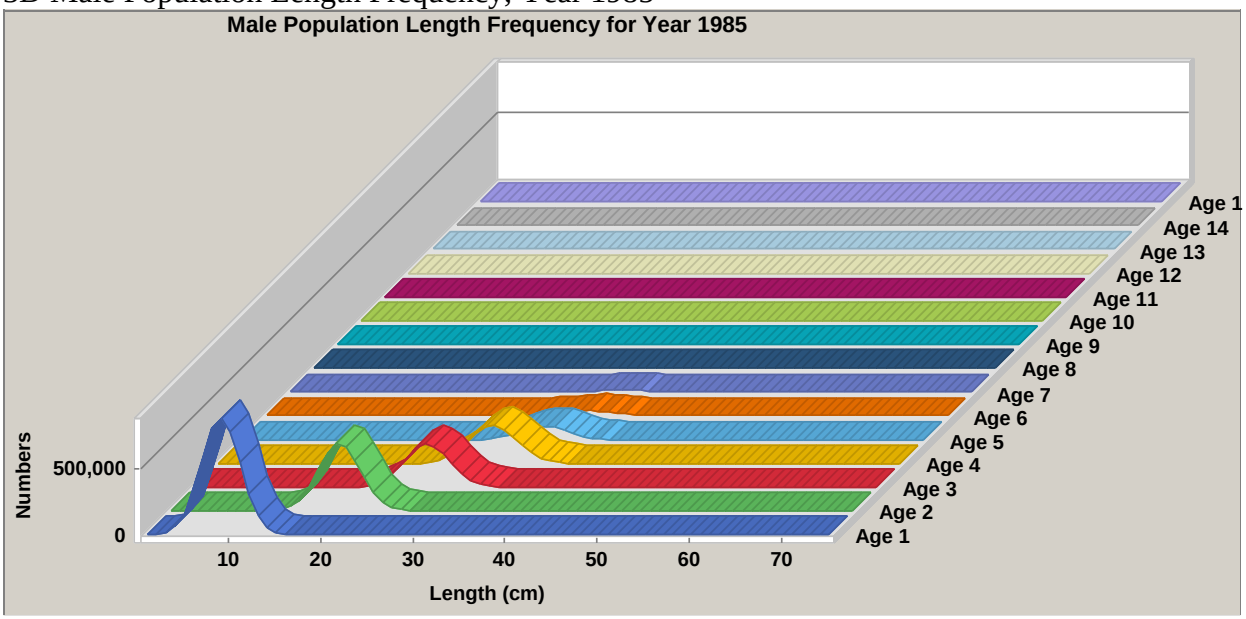
3D Male Population Length Frequency, Year 1983



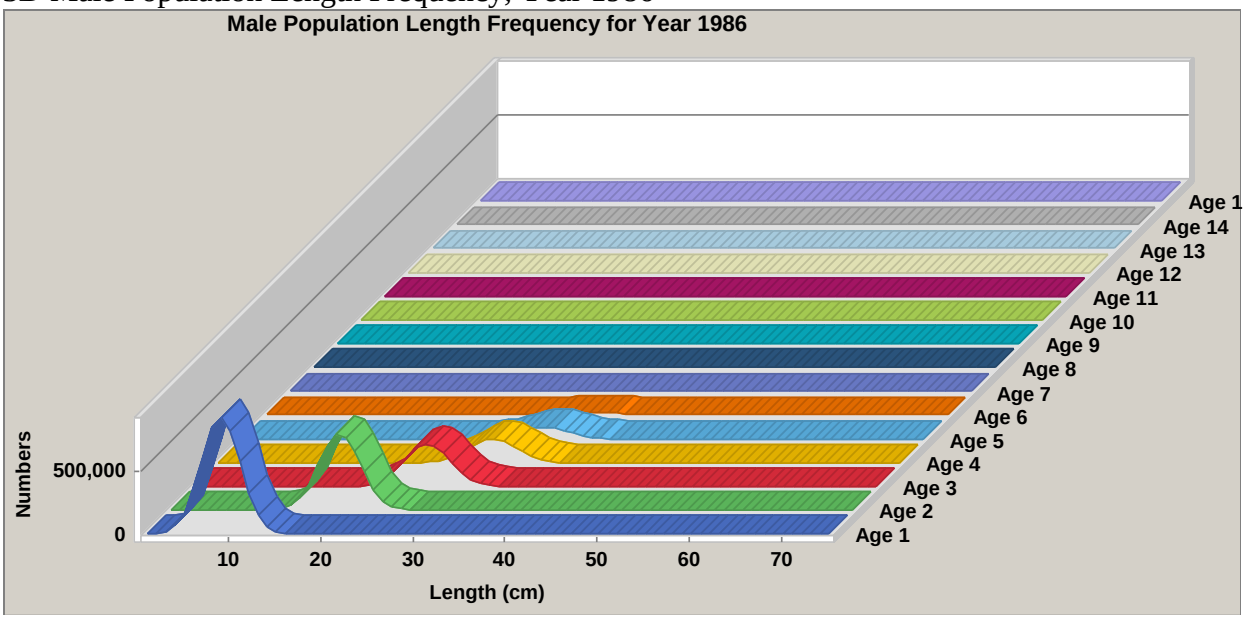
3D Male Population Length Frequency, Year 1984



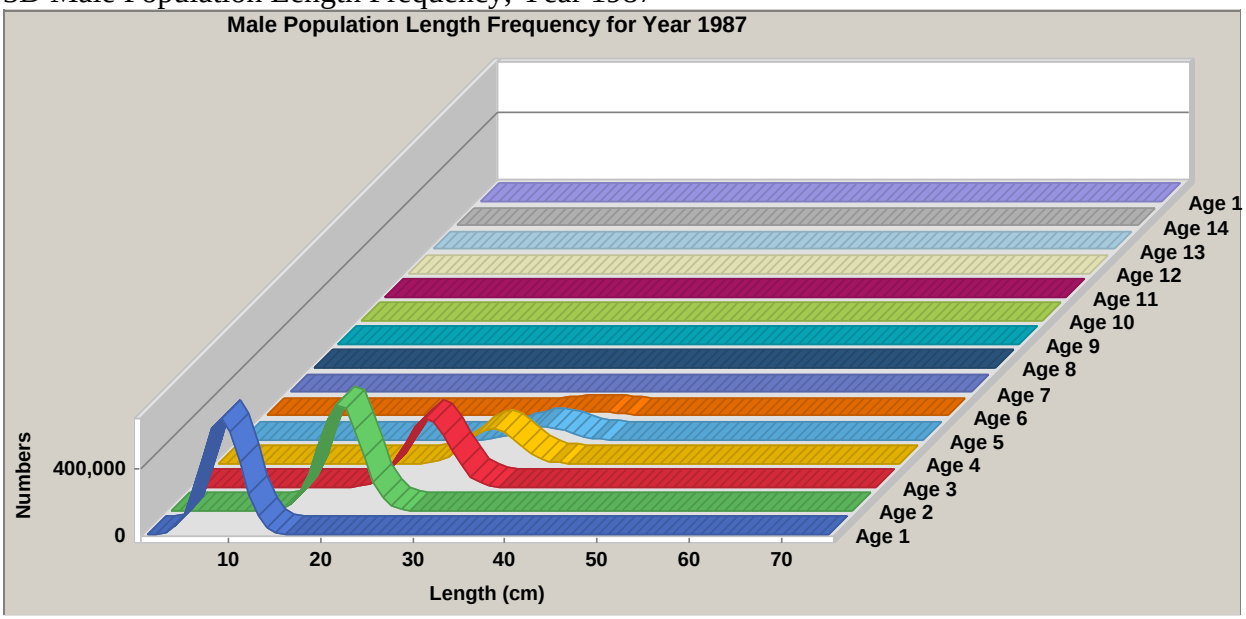
3D Male Population Length Frequency, Year 1985



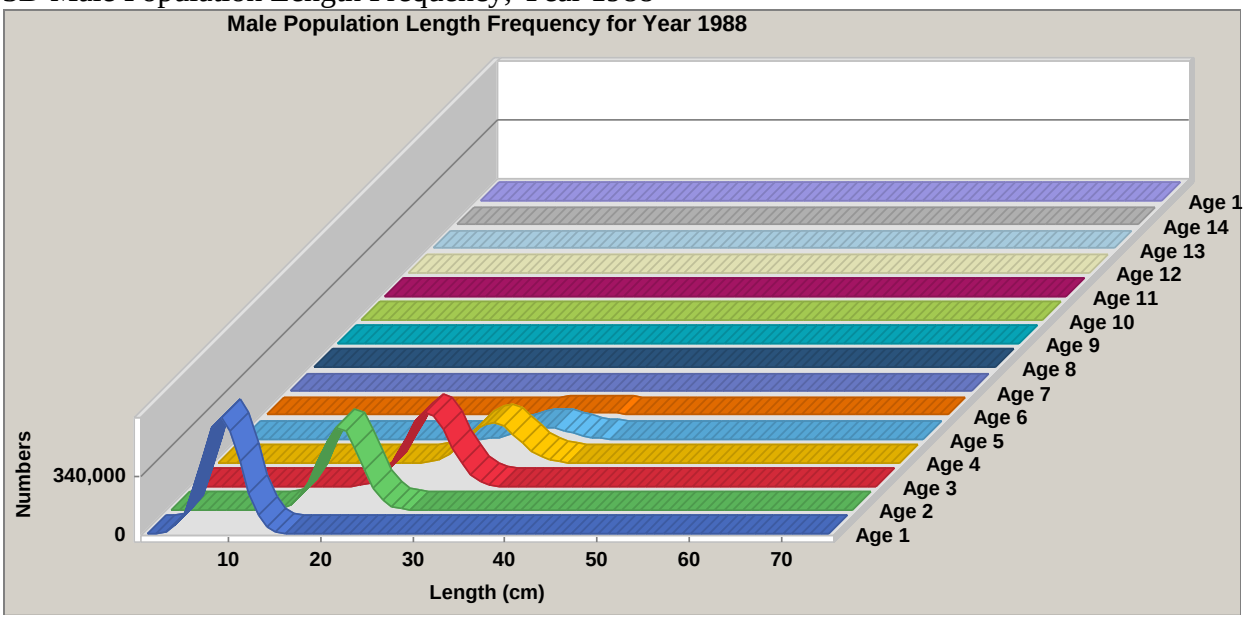
3D Male Population Length Frequency, Year 1986



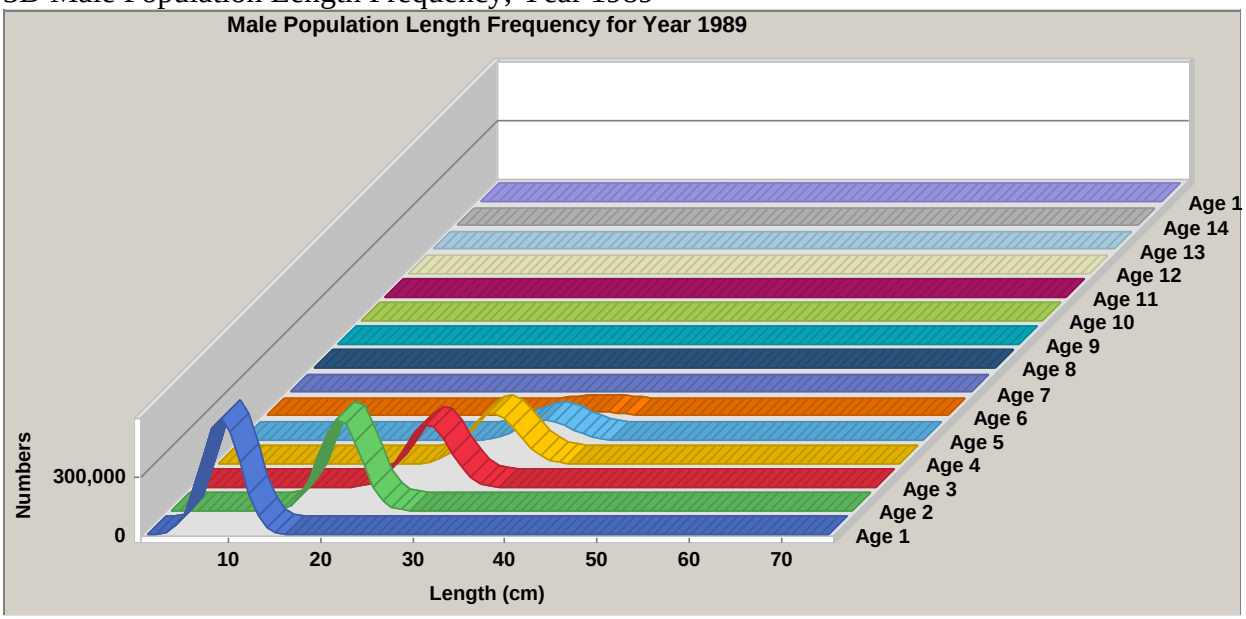
3D Male Population Length Frequency, Year 1987



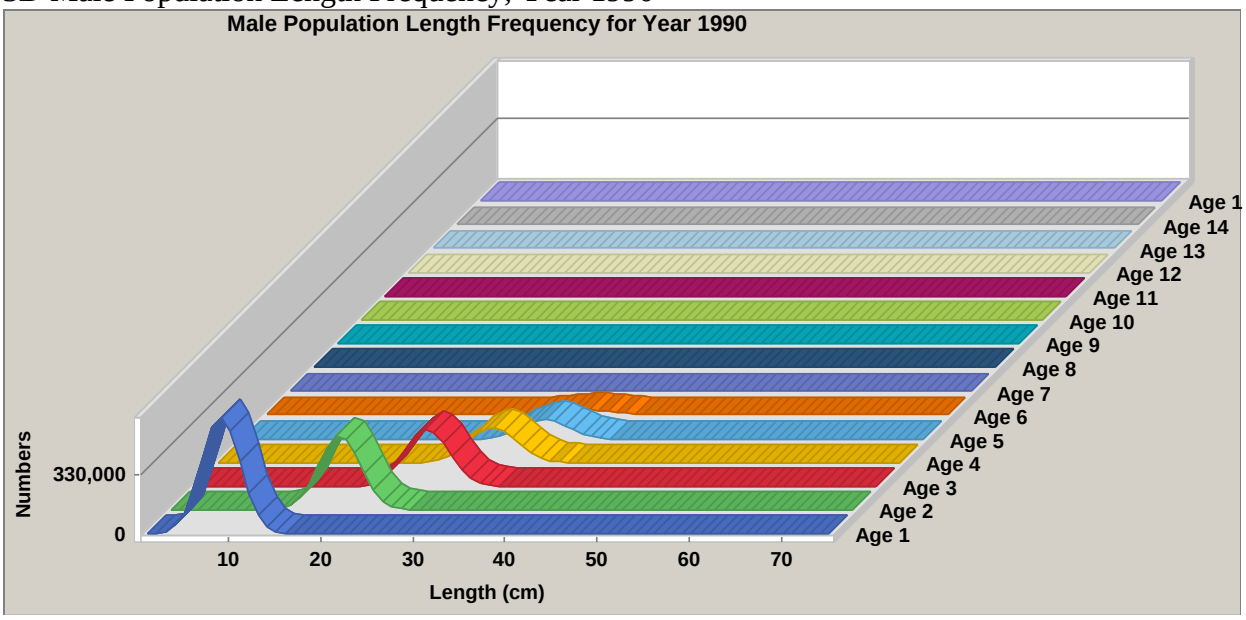
3D Male Population Length Frequency, Year 1988



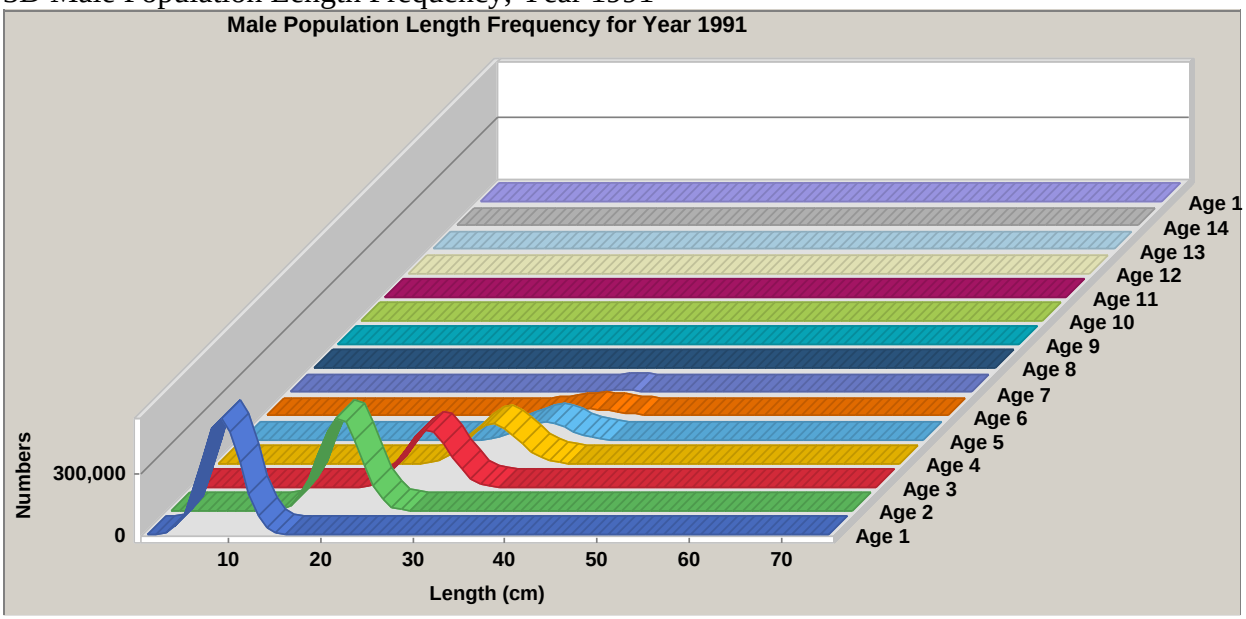
3D Male Population Length Frequency, Year 1989



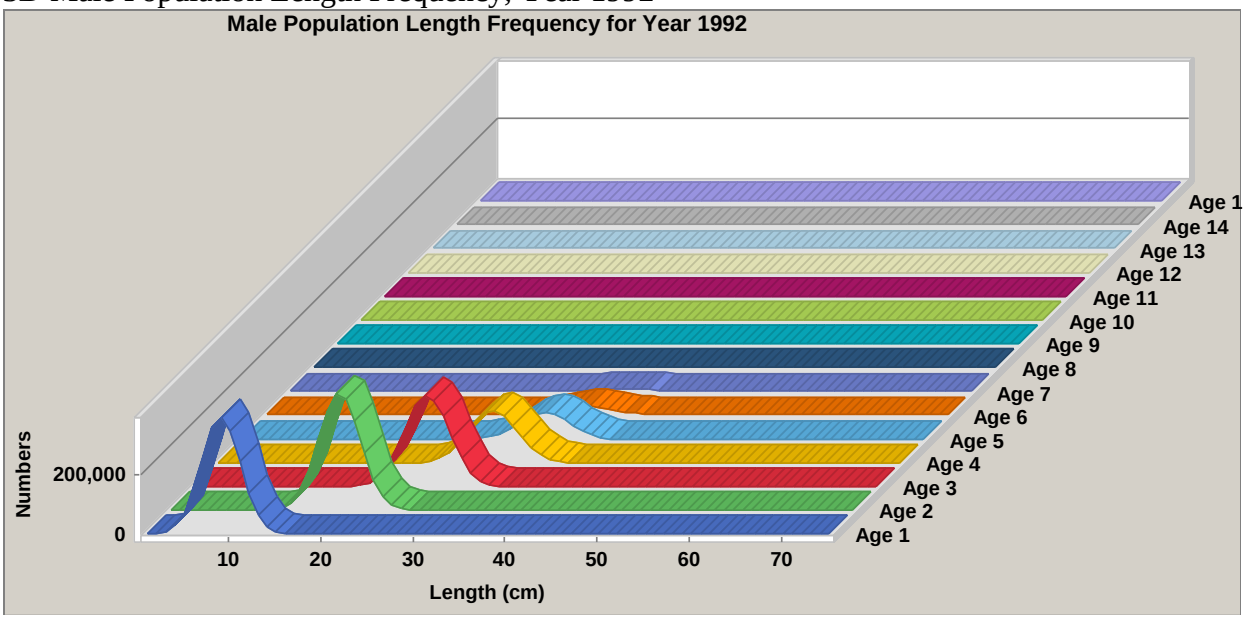
3D Male Population Length Frequency, Year 1990



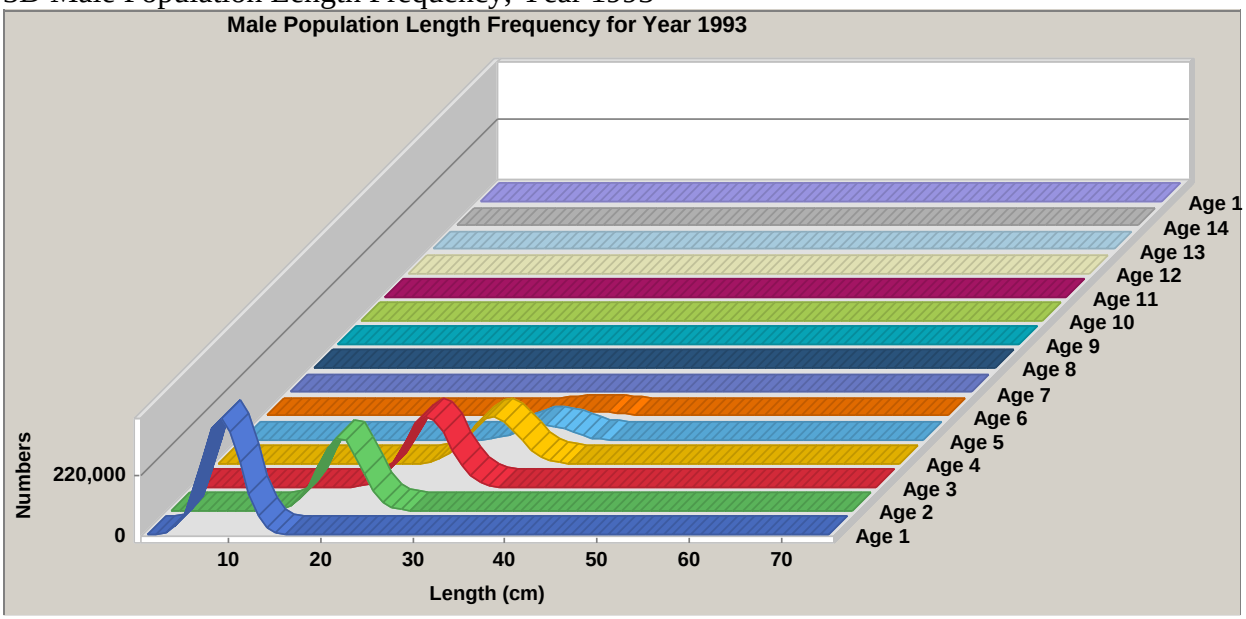
3D Male Population Length Frequency, Year 1991



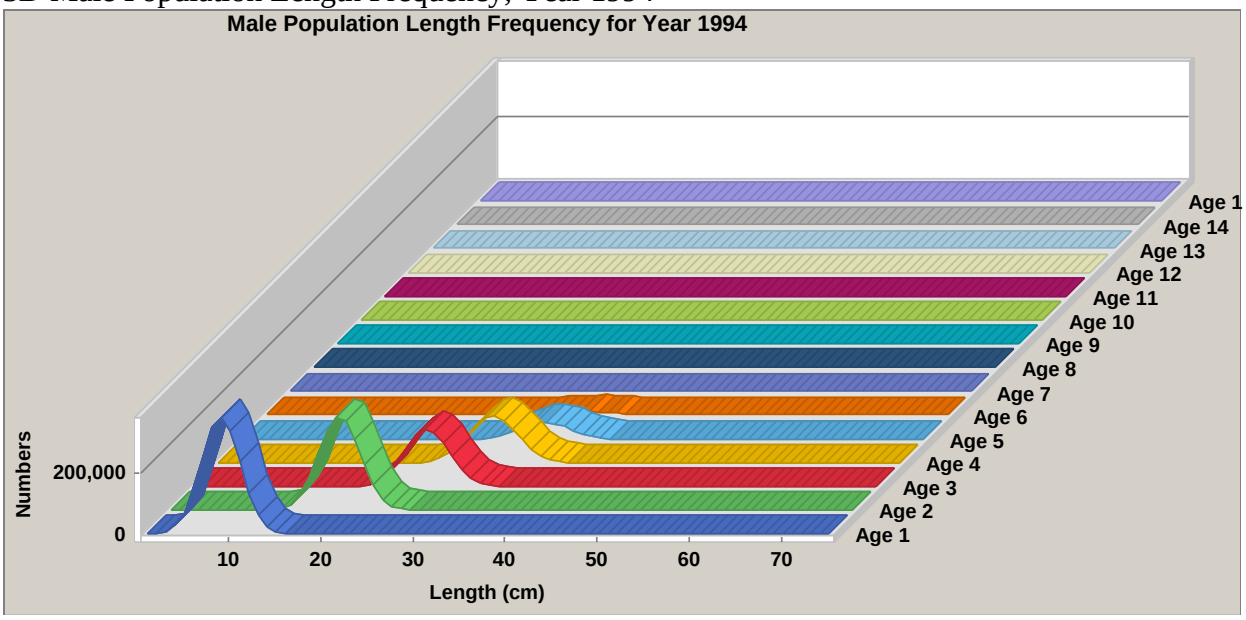
3D Male Population Length Frequency, Year 1992



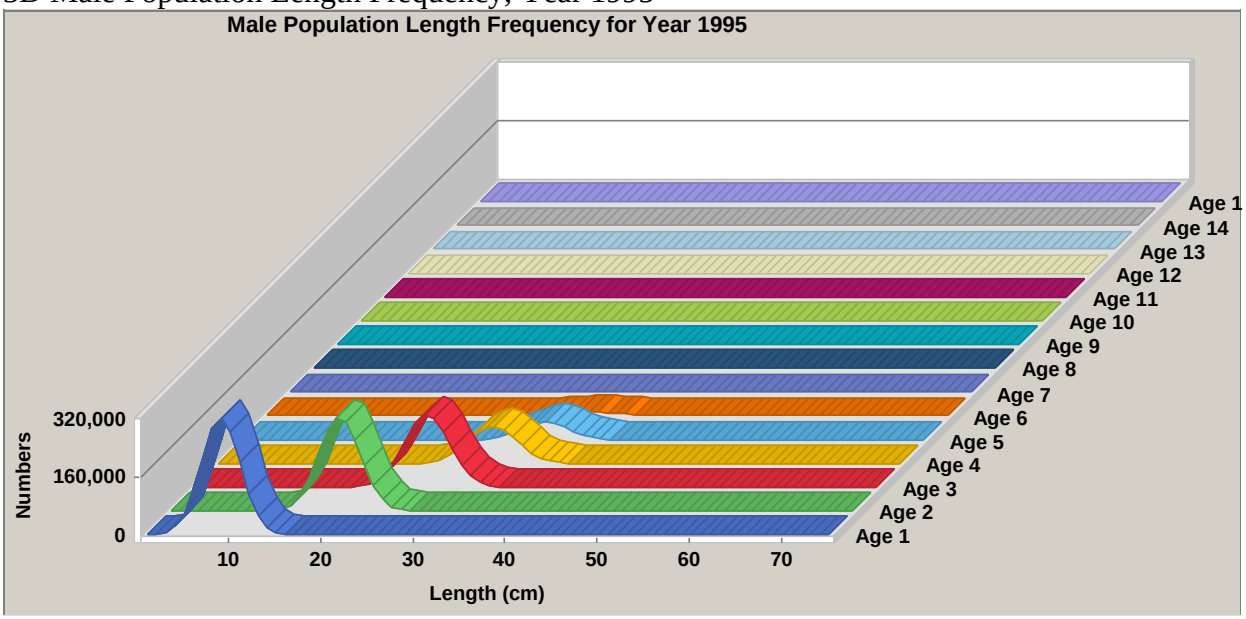
3D Male Population Length Frequency, Year 1993



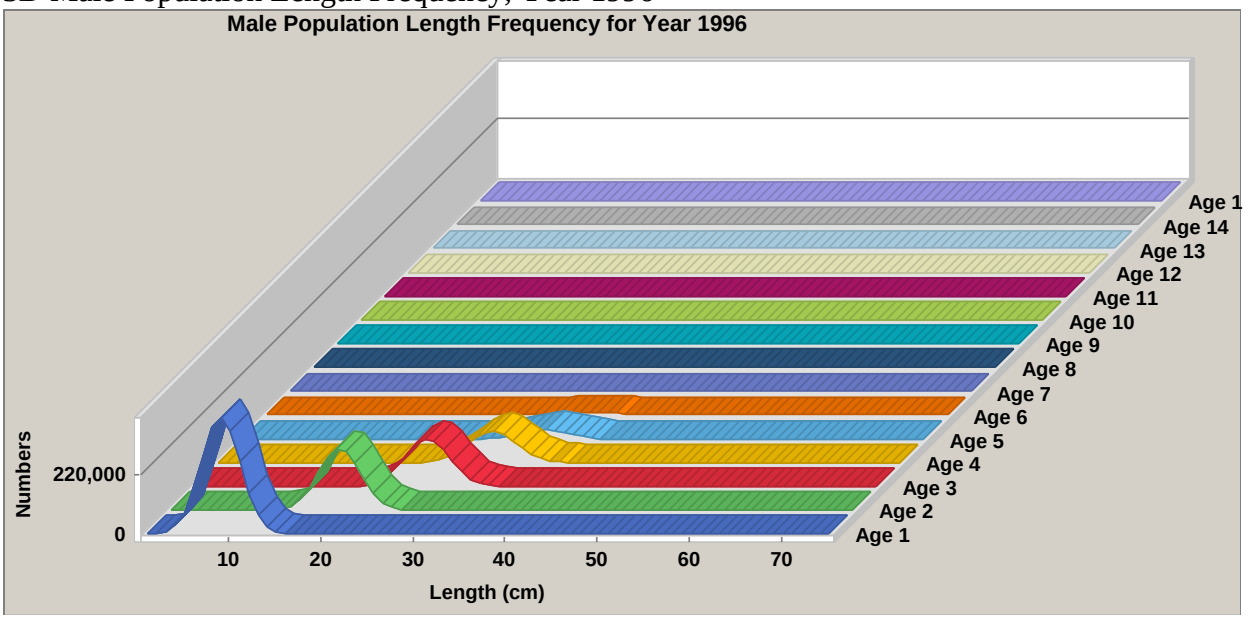
3D Male Population Length Frequency, Year 1994



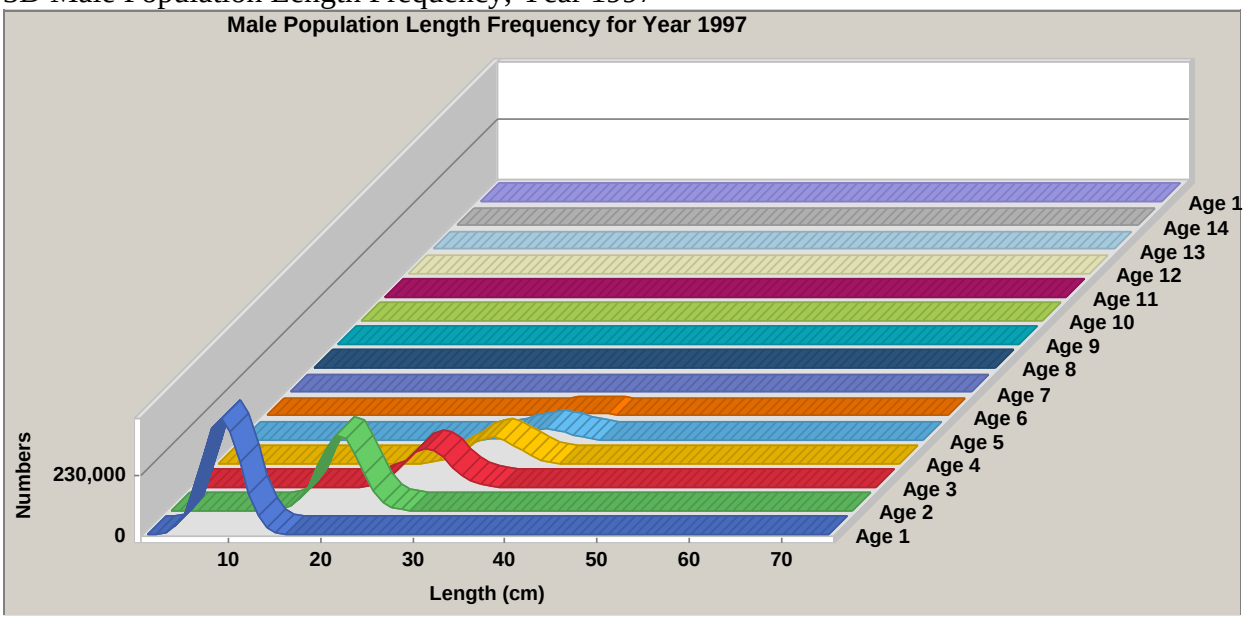
3D Male Population Length Frequency, Year 1995



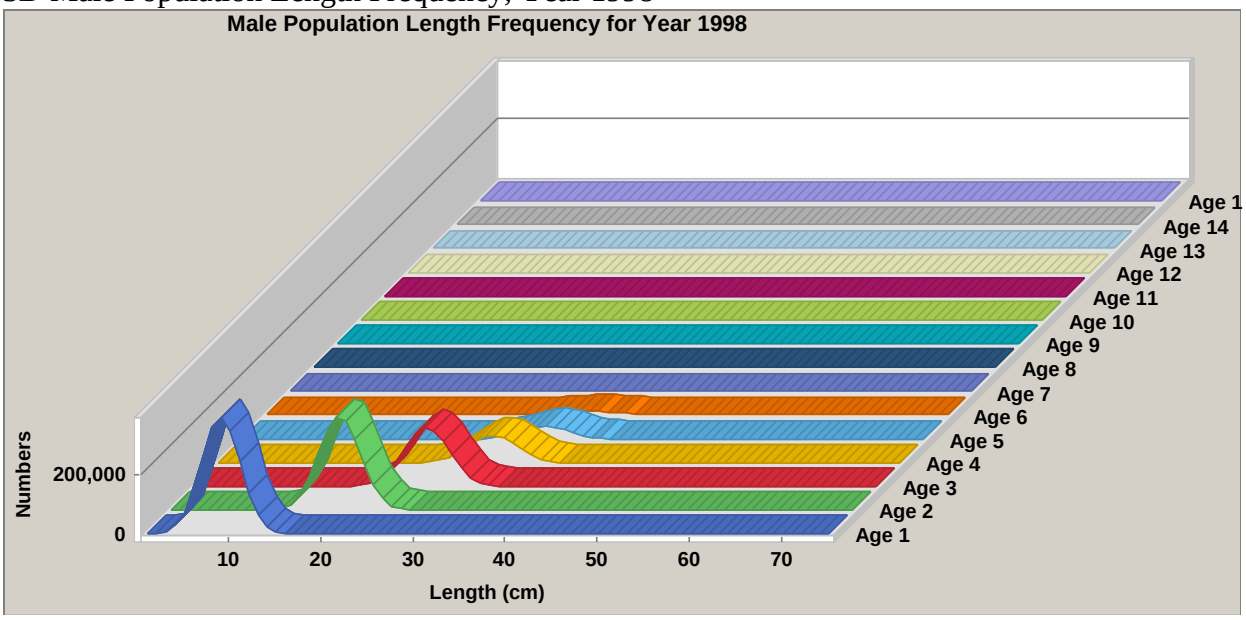
3D Male Population Length Frequency, Year 1996



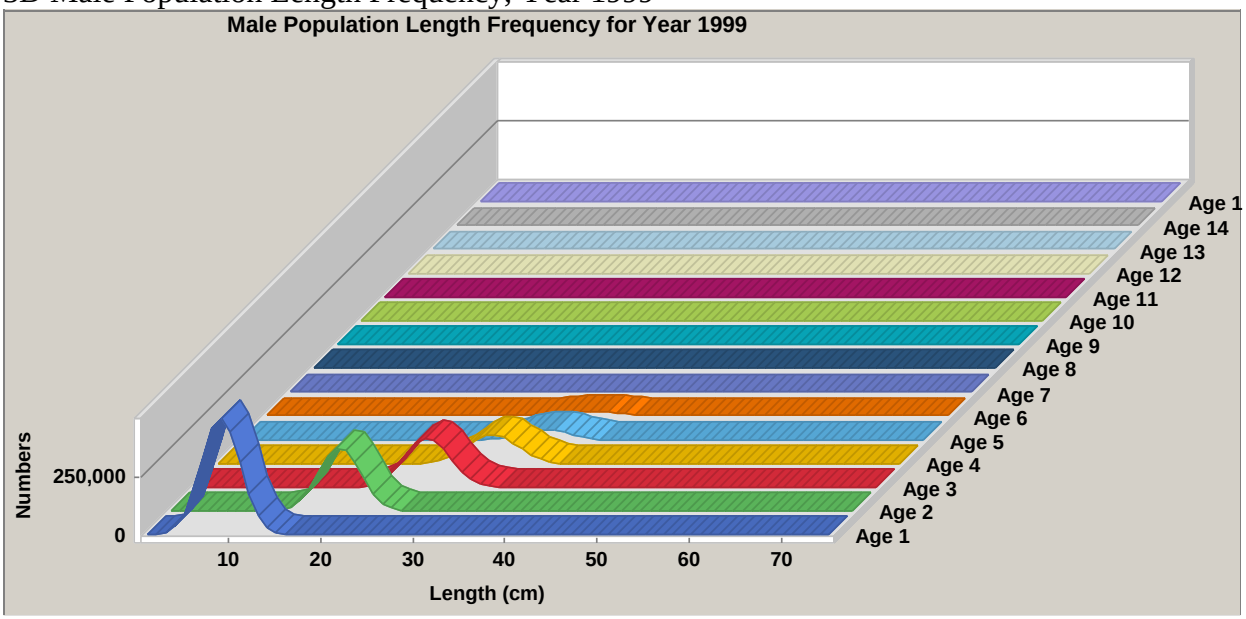
3D Male Population Length Frequency, Year 1997



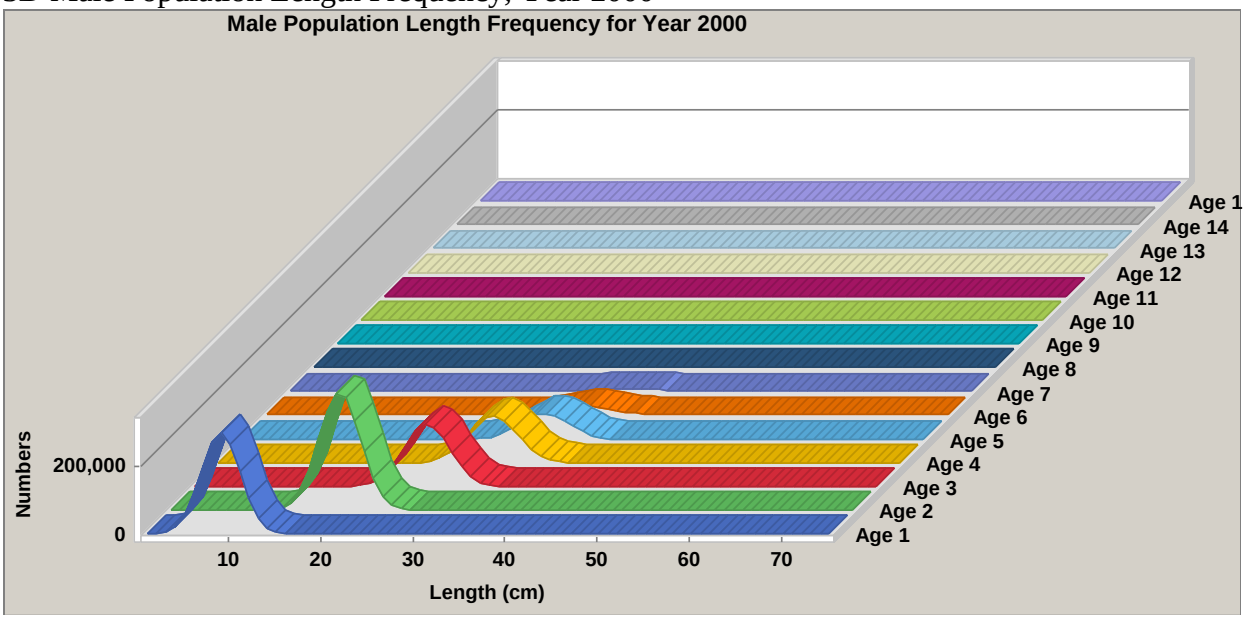
3D Male Population Length Frequency, Year 1998



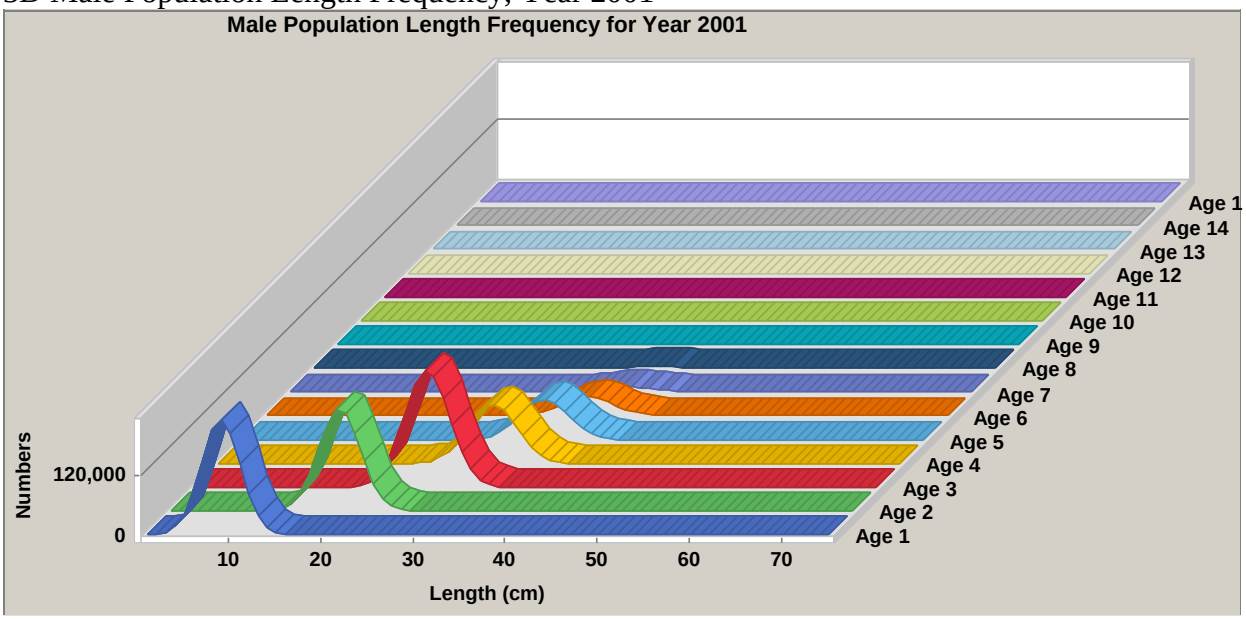
3D Male Population Length Frequency, Year 1999



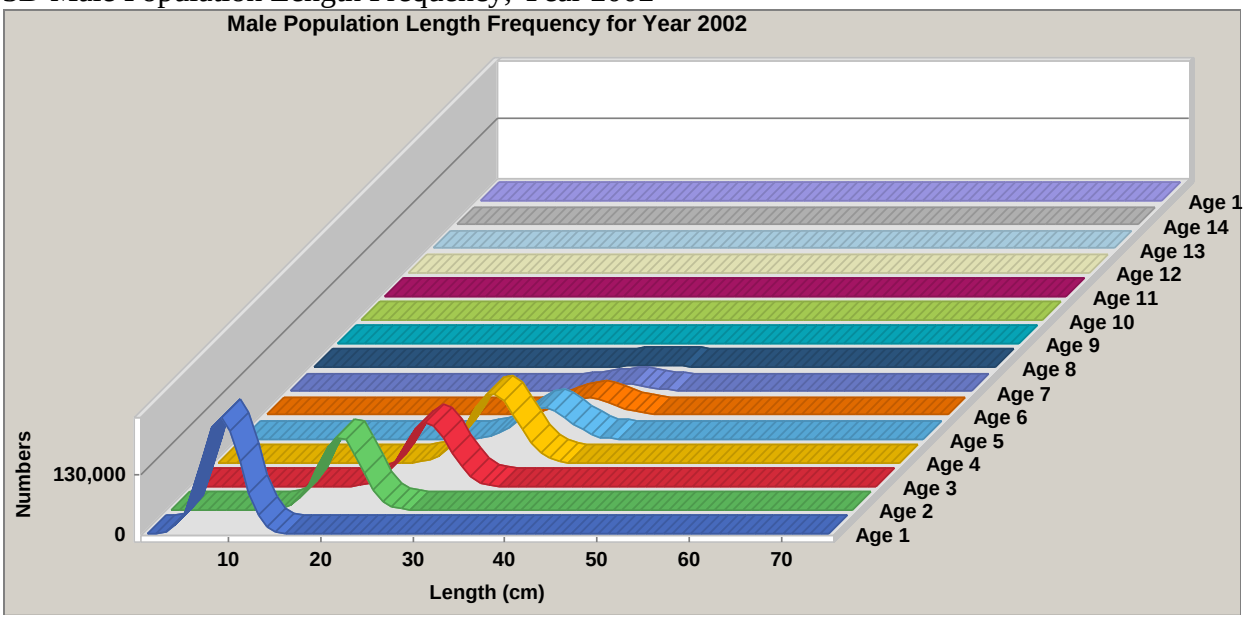
3D Male Population Length Frequency, Year 2000



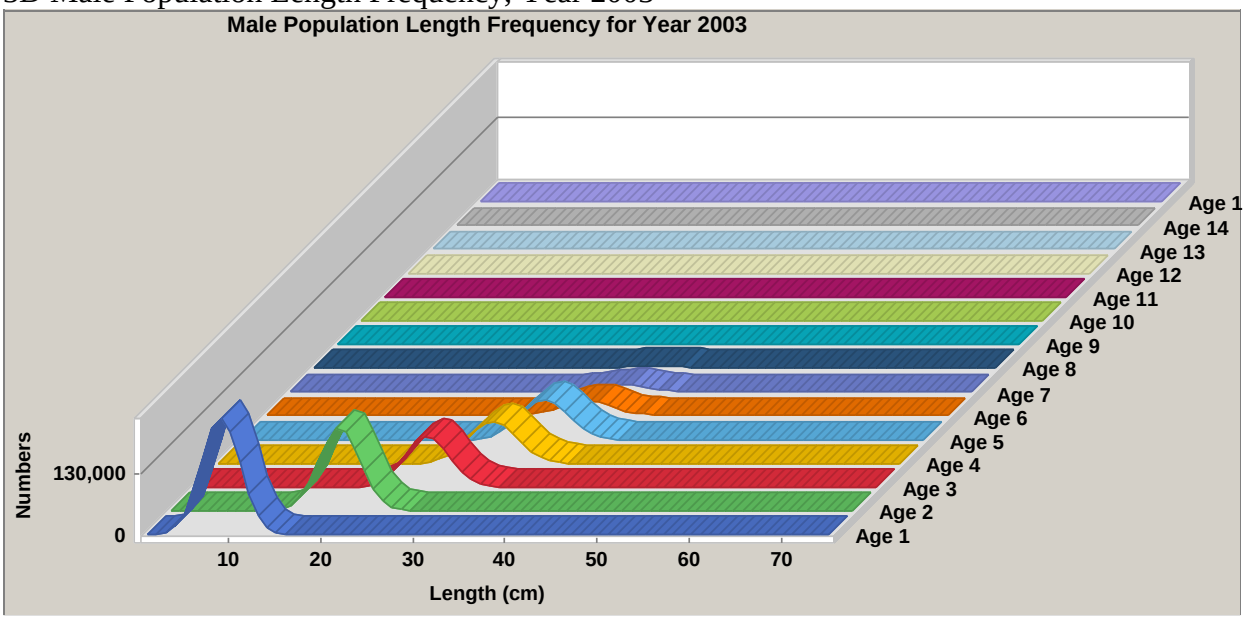
3D Male Population Length Frequency, Year 2001



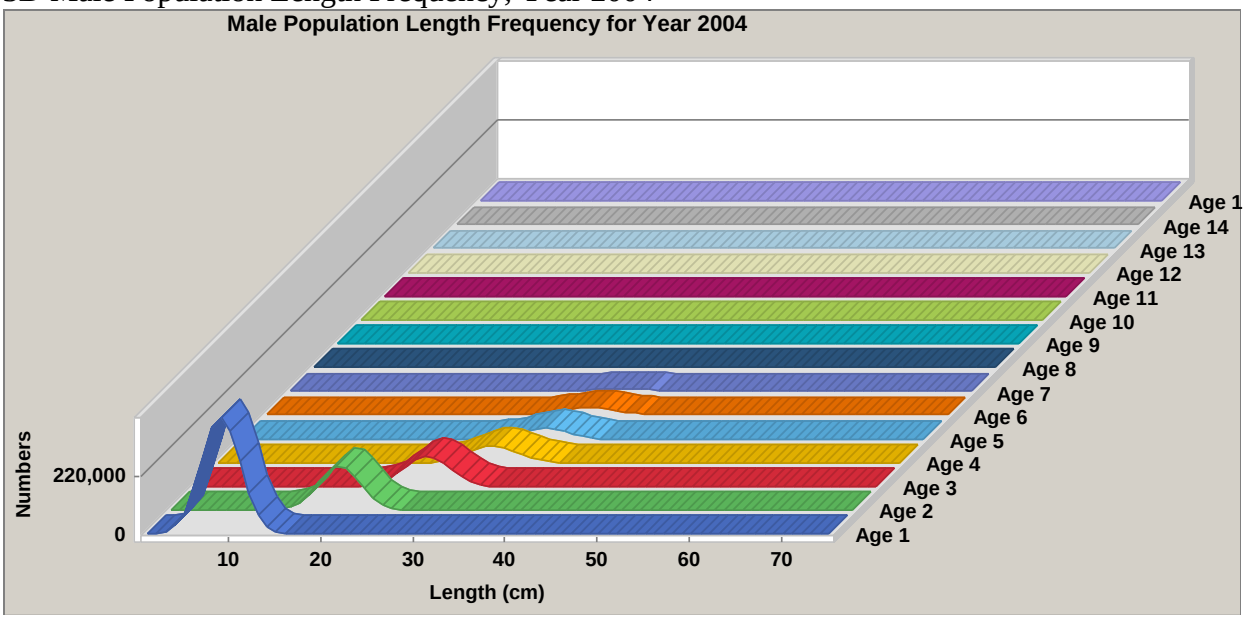
3D Male Population Length Frequency, Year 2002



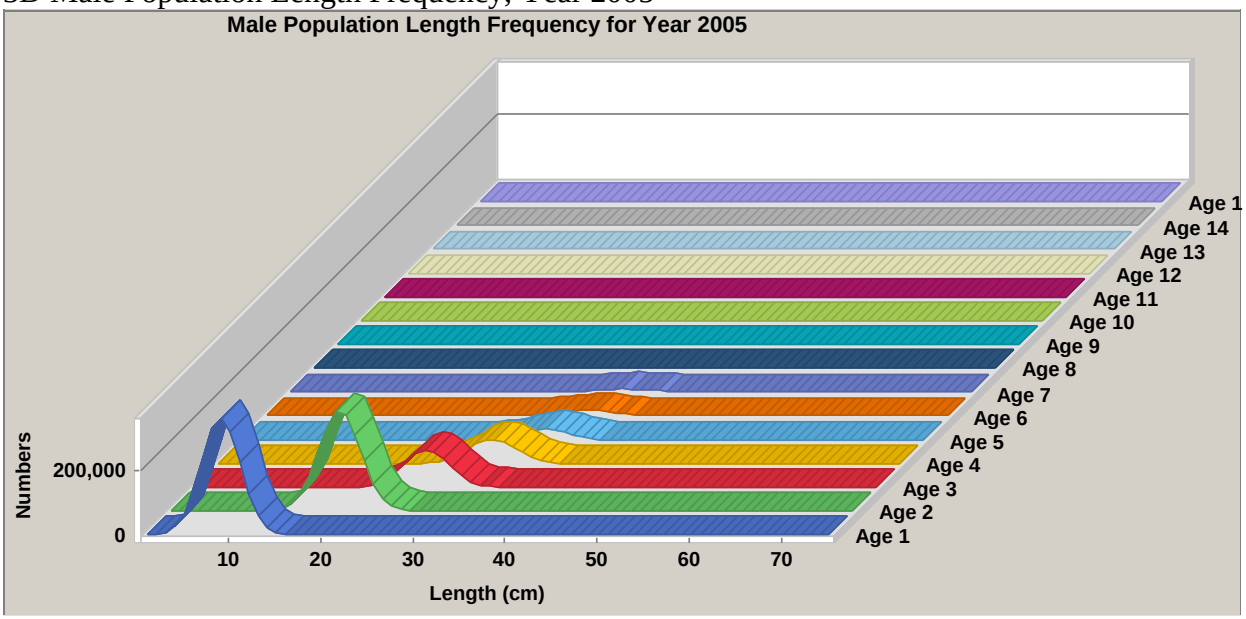
3D Male Population Length Frequency, Year 2003



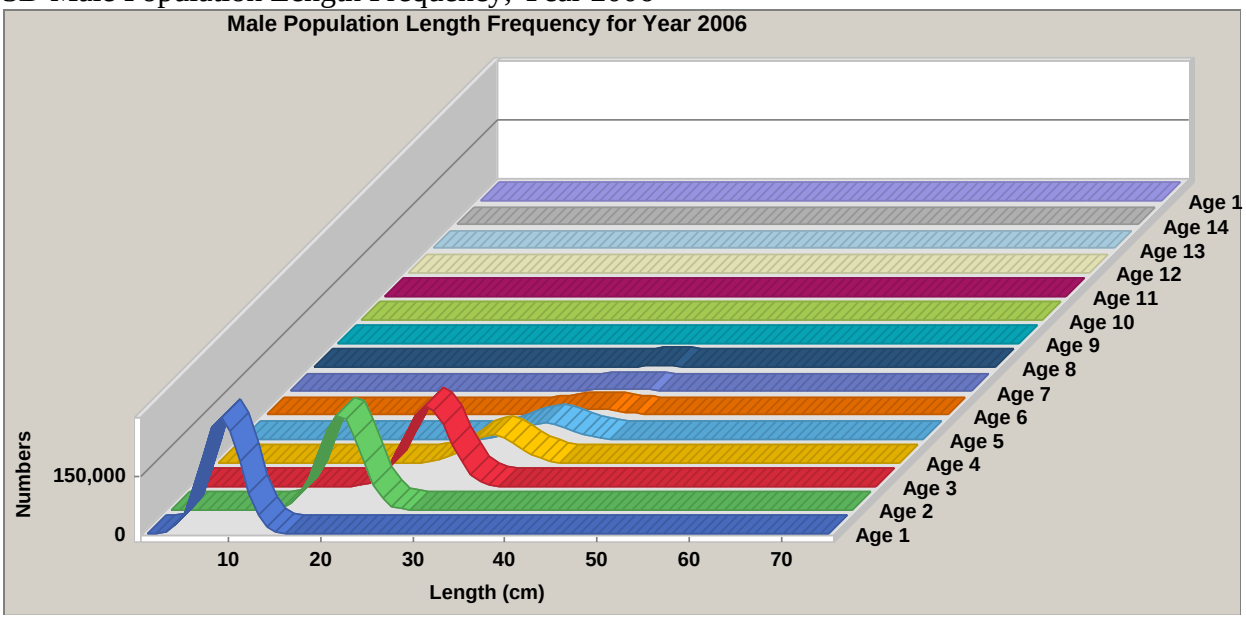
3D Male Population Length Frequency, Year 2004



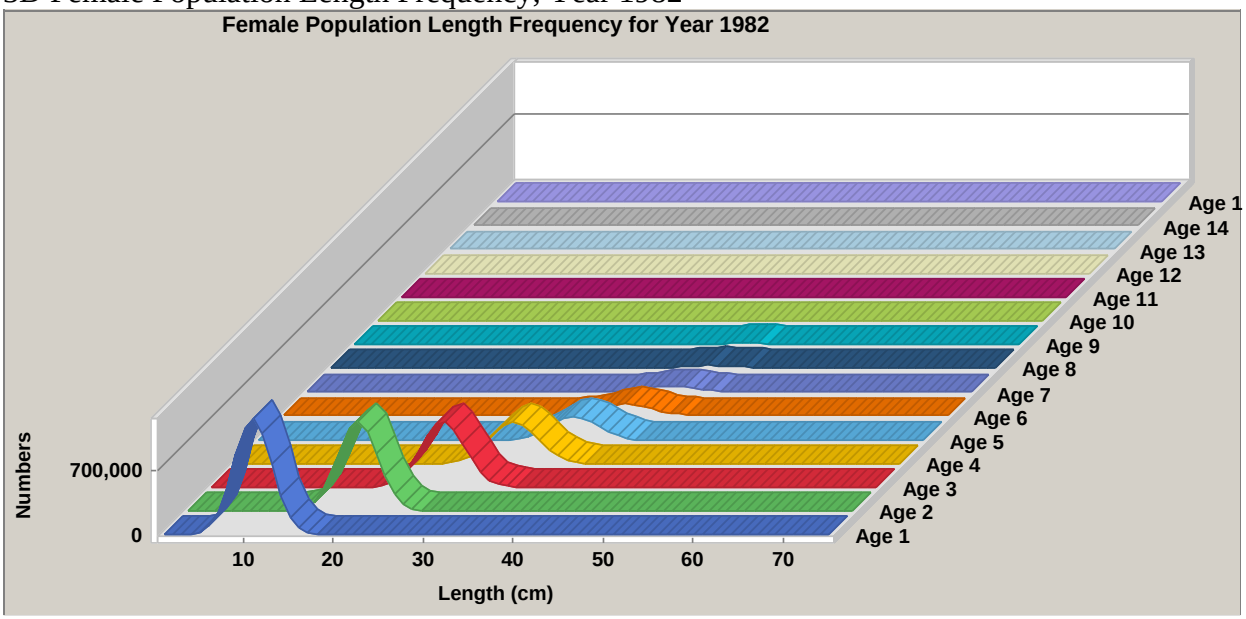
3D Male Population Length Frequency, Year 2005



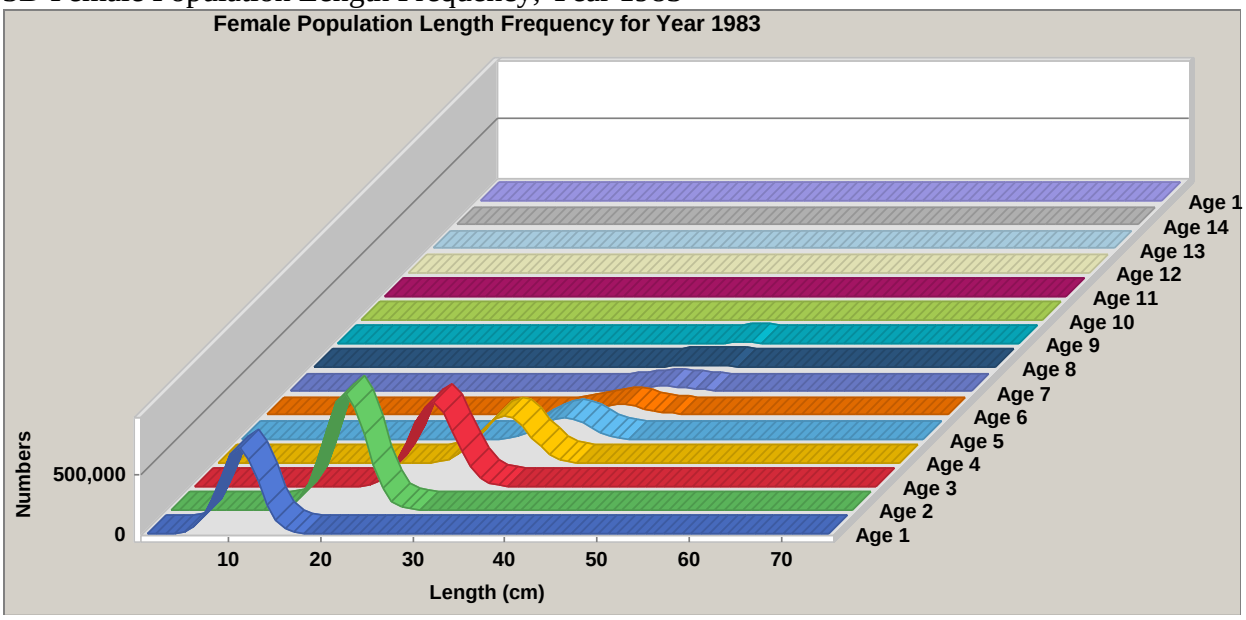
3D Male Population Length Frequency, Year 2006



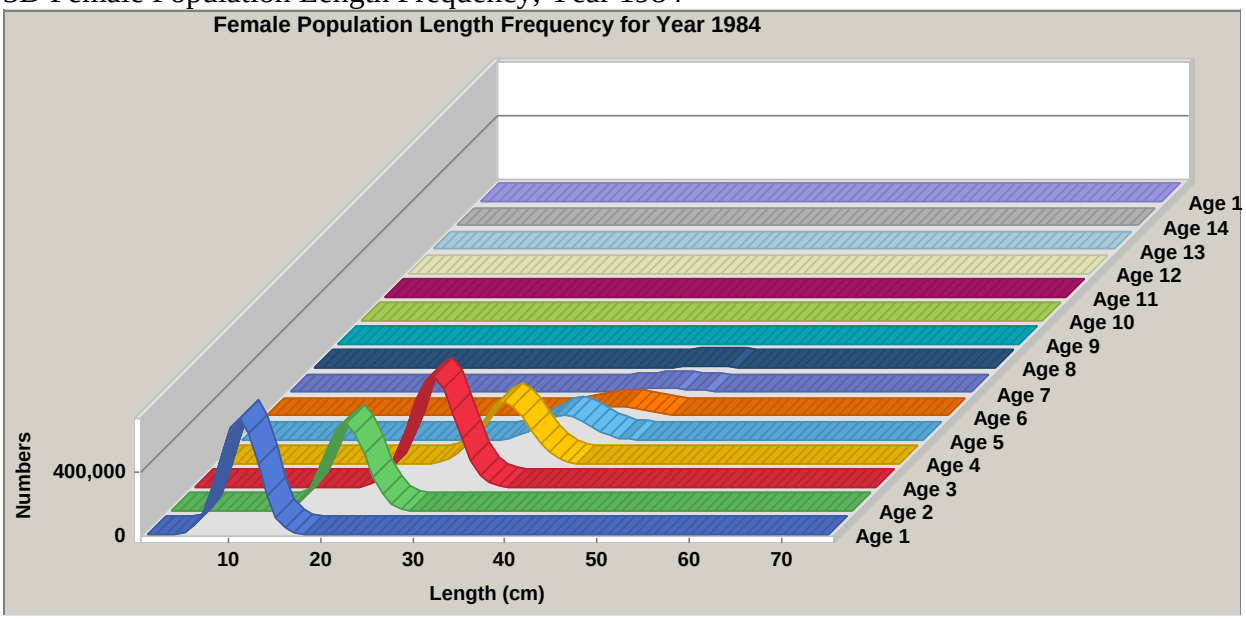
3D Female Population Length Frequency, Year 1982



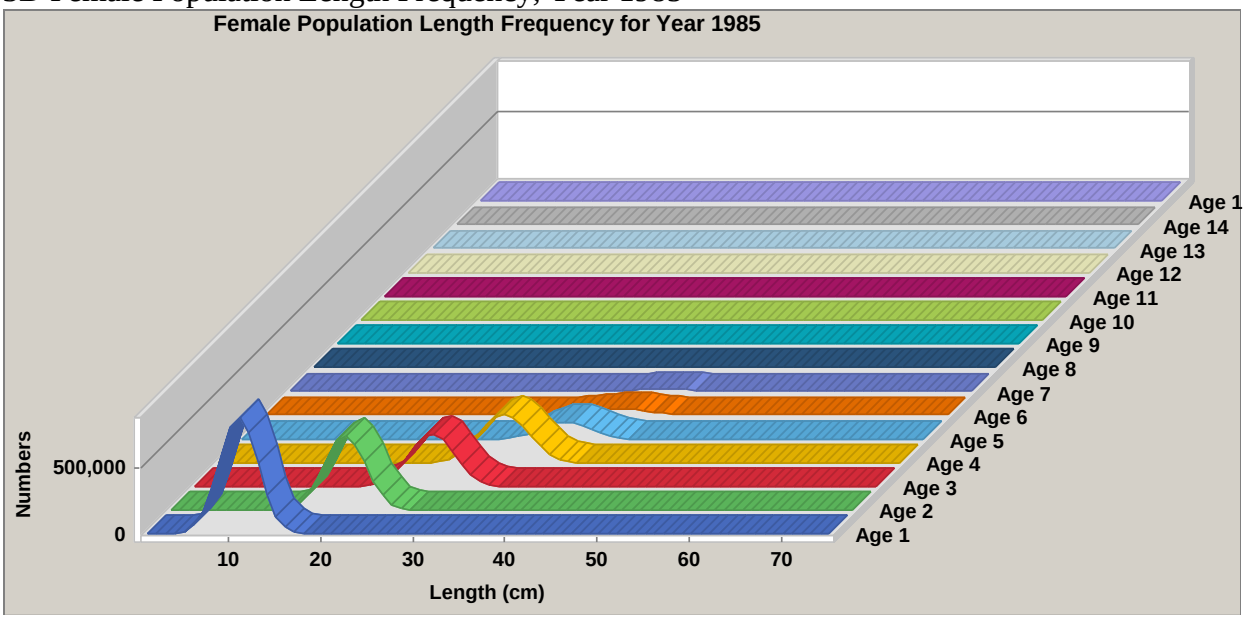
3D Female Population Length Frequency, Year 1983



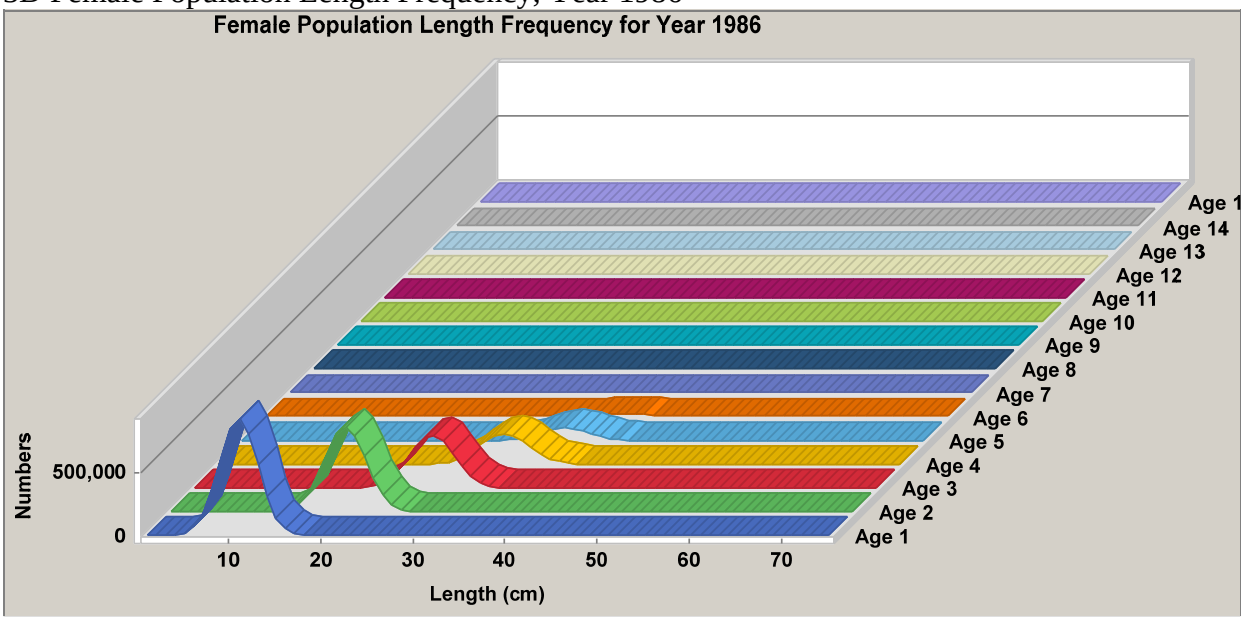
3D Female Population Length Frequency, Year 1984



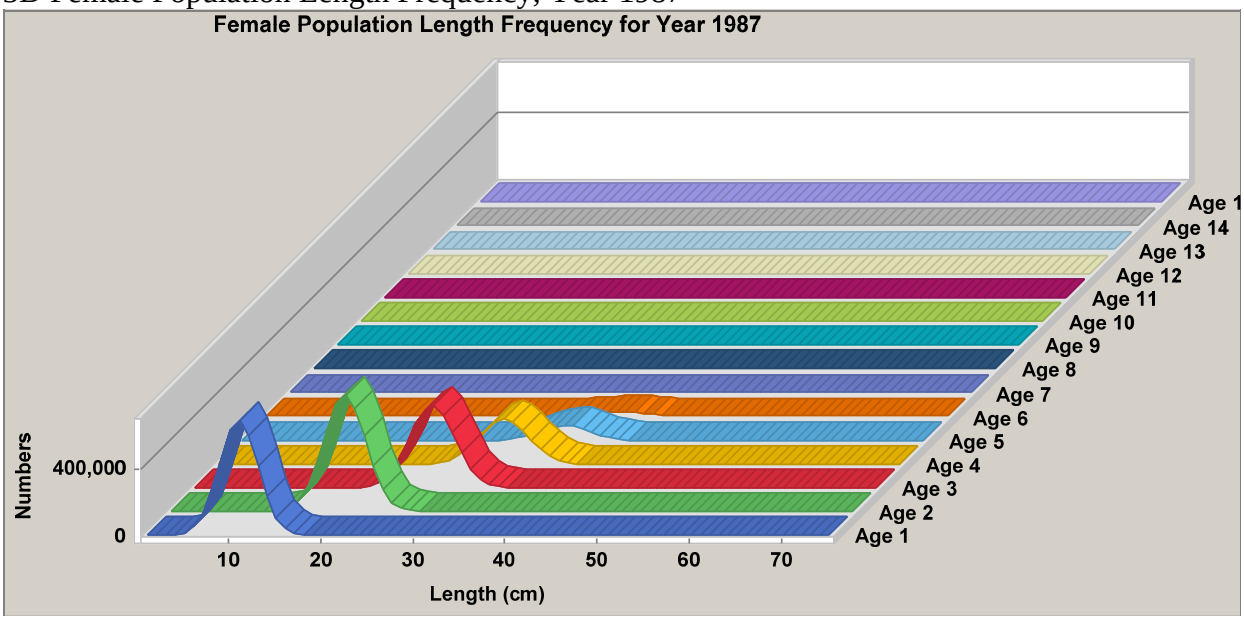
3D Female Population Length Frequency, Year 1985



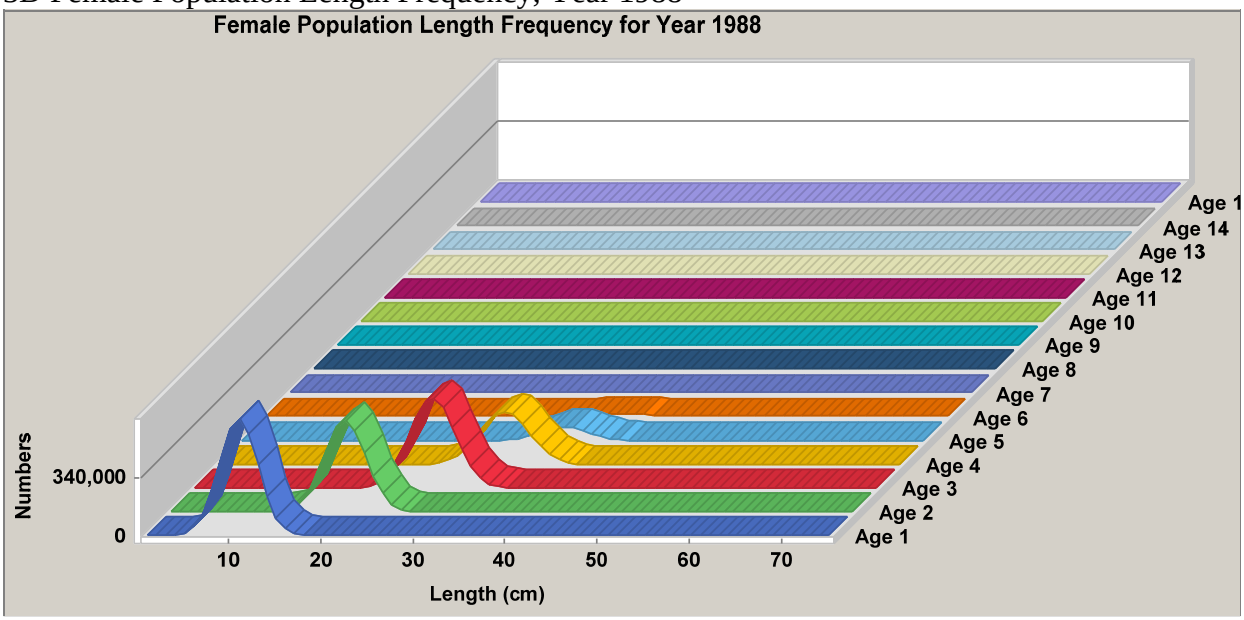
3D Female Population Length Frequency, Year 1986



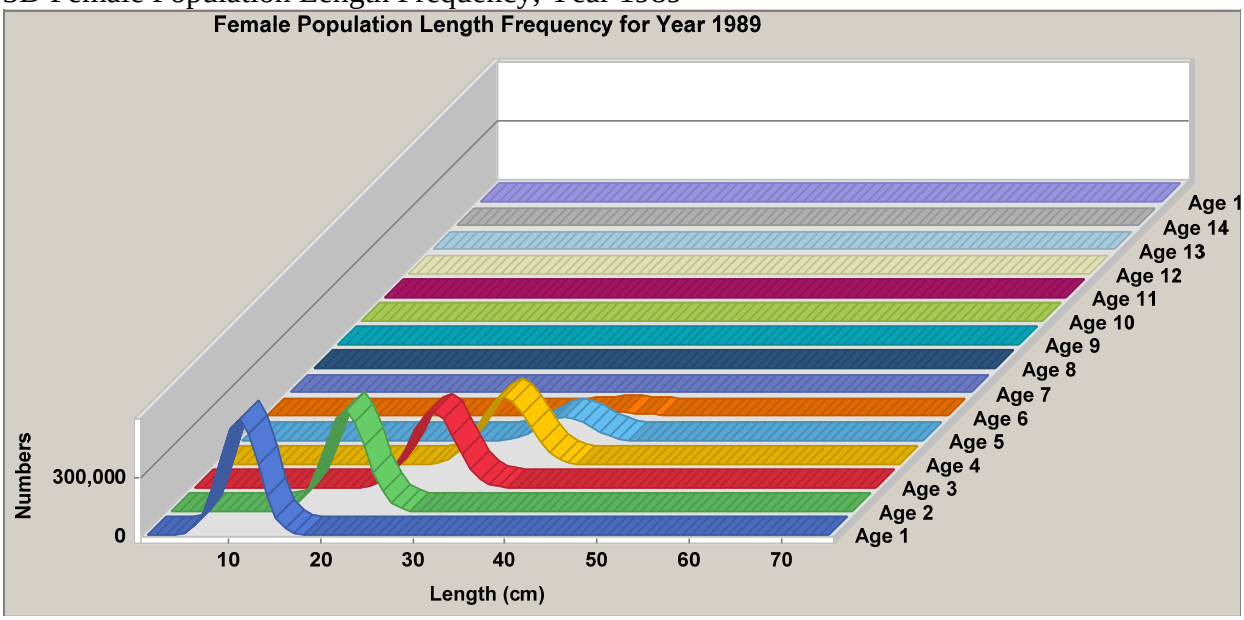
3D Female Population Length Frequency, Year 1987



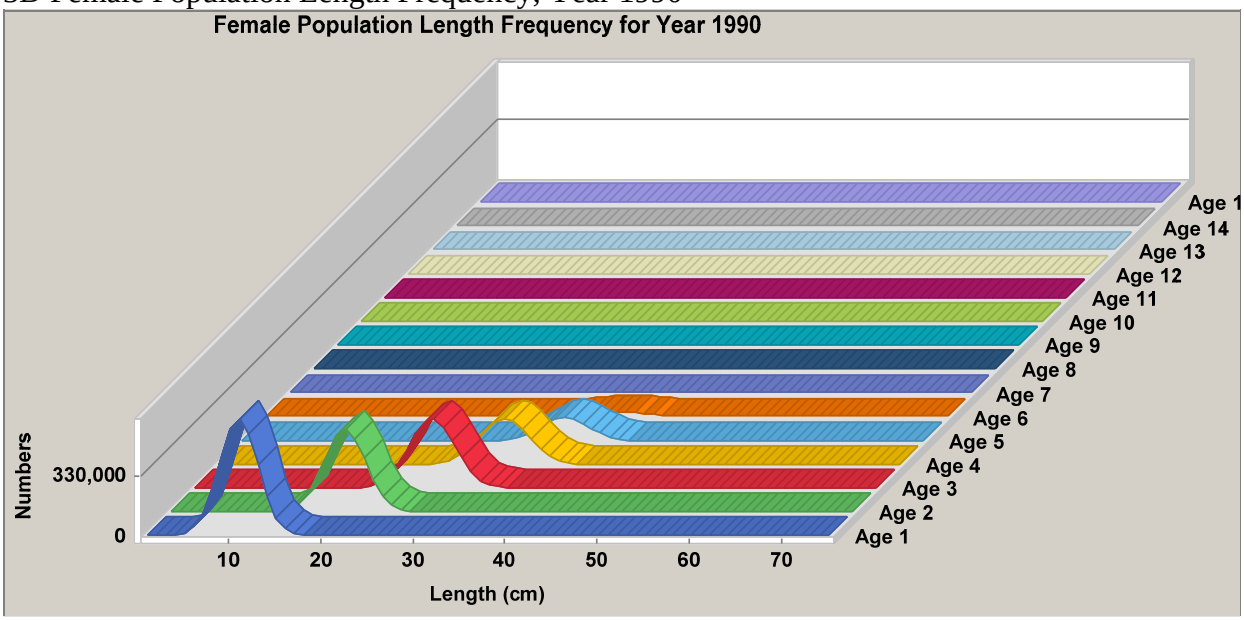
3D Female Population Length Frequency, Year 1988



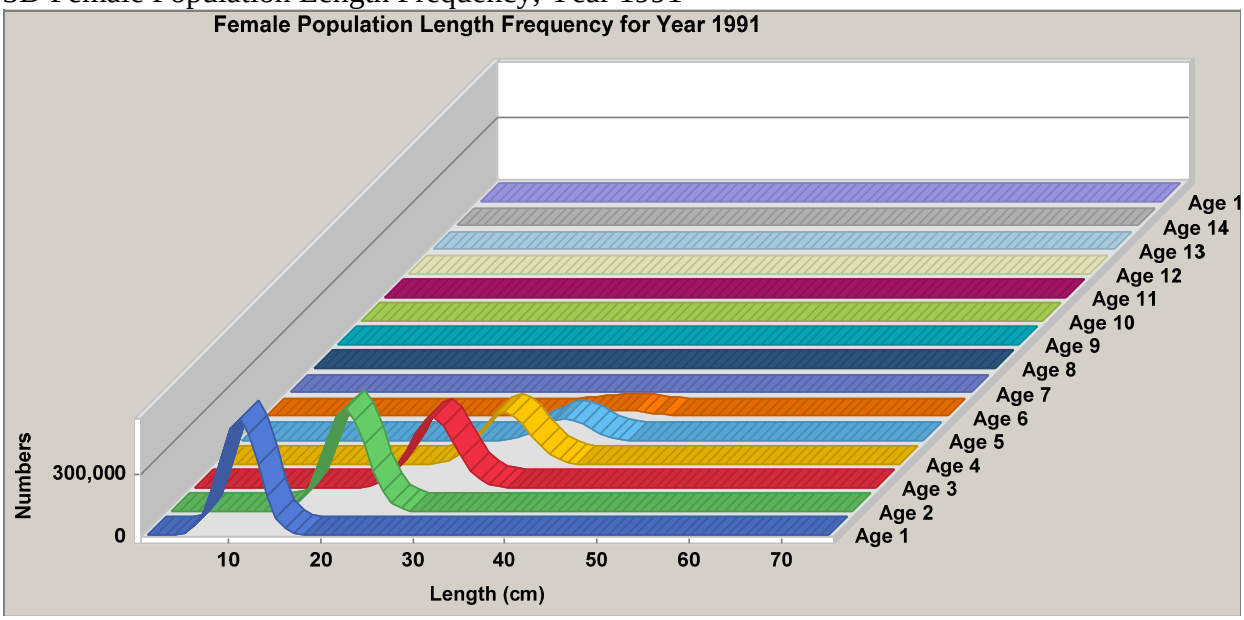
3D Female Population Length Frequency, Year 1989



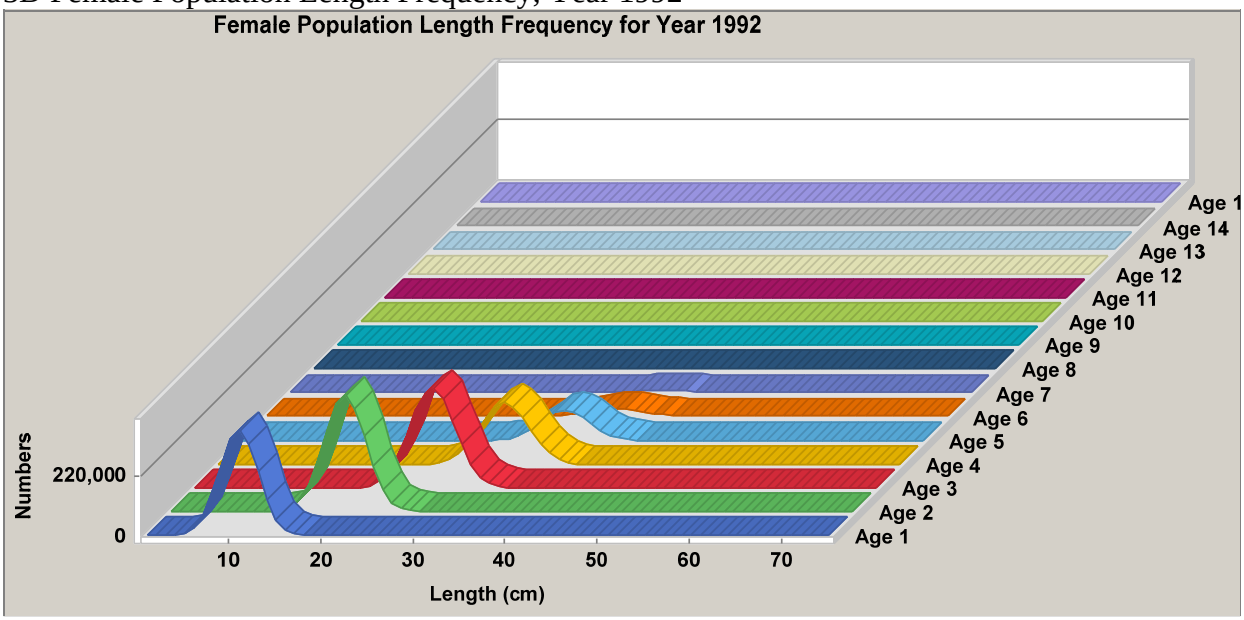
3D Female Population Length Frequency, Year 1990



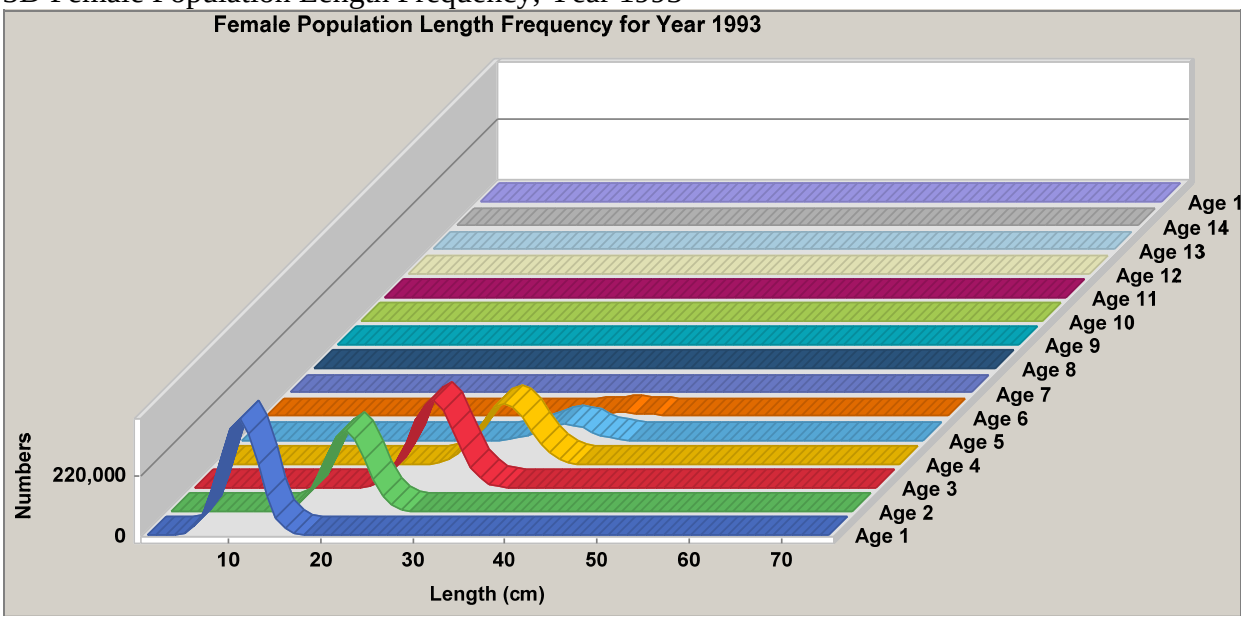
3D Female Population Length Frequency, Year 1991



3D Female Population Length Frequency, Year 1992



3D Female Population Length Frequency, Year 1993



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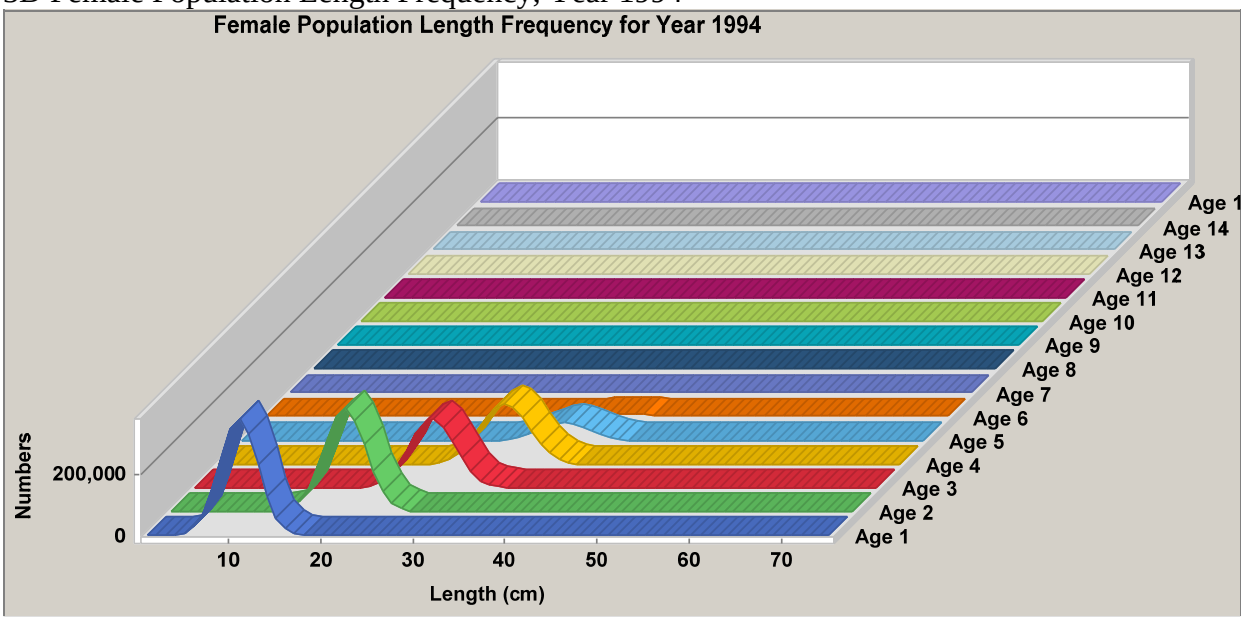
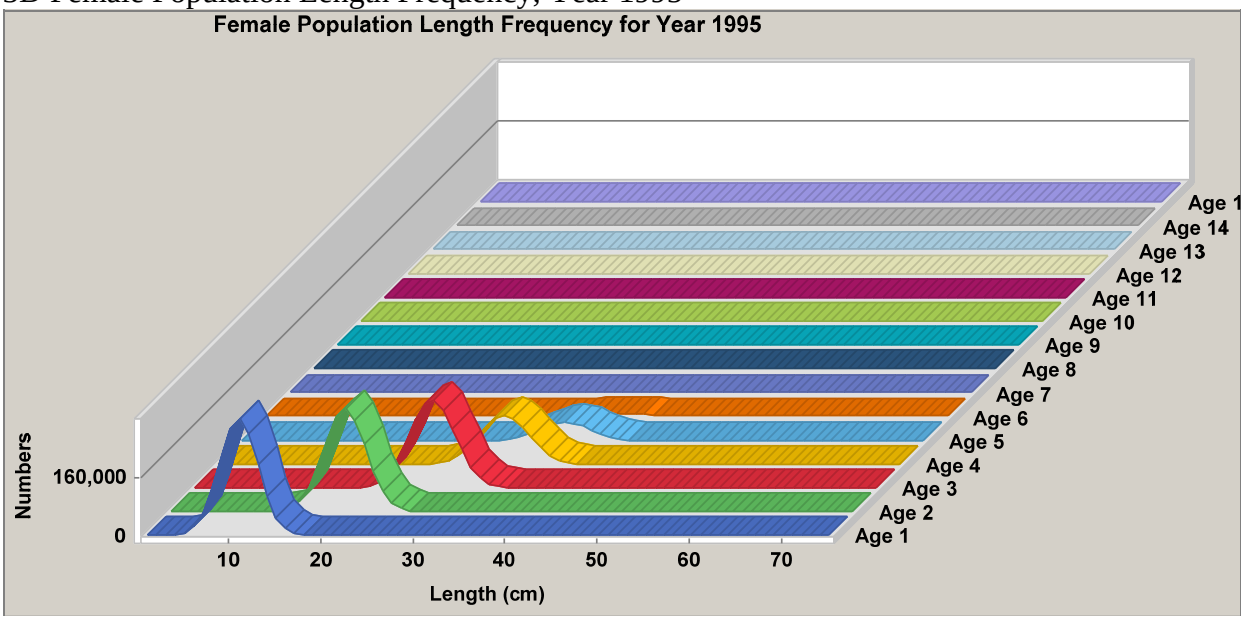
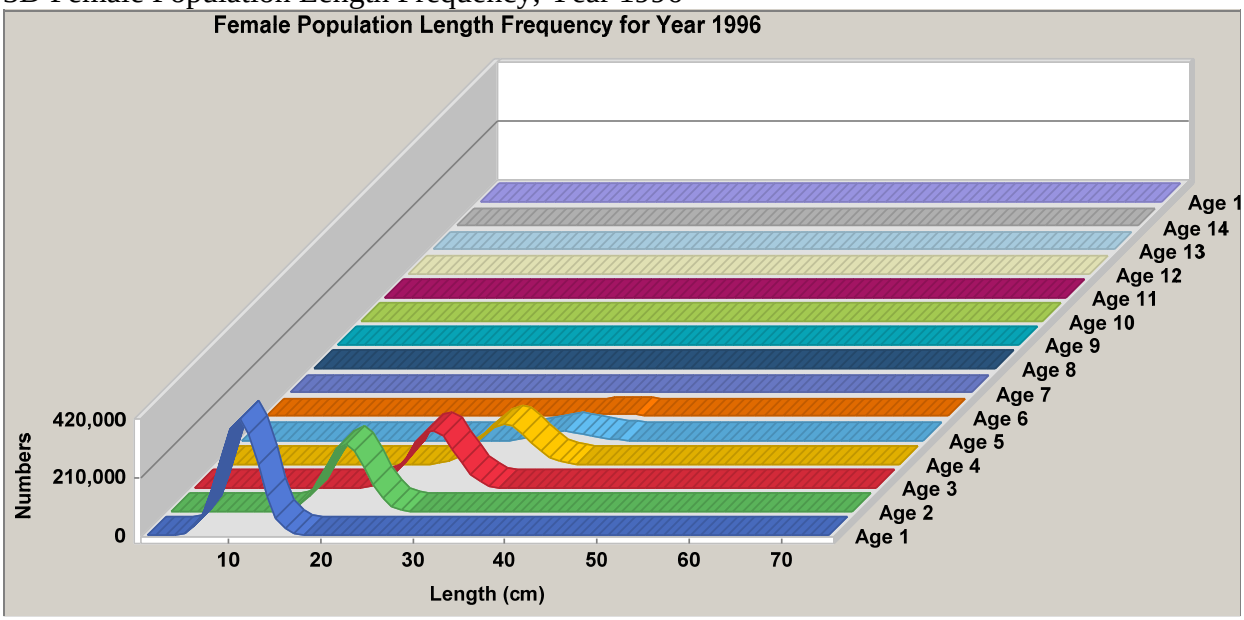


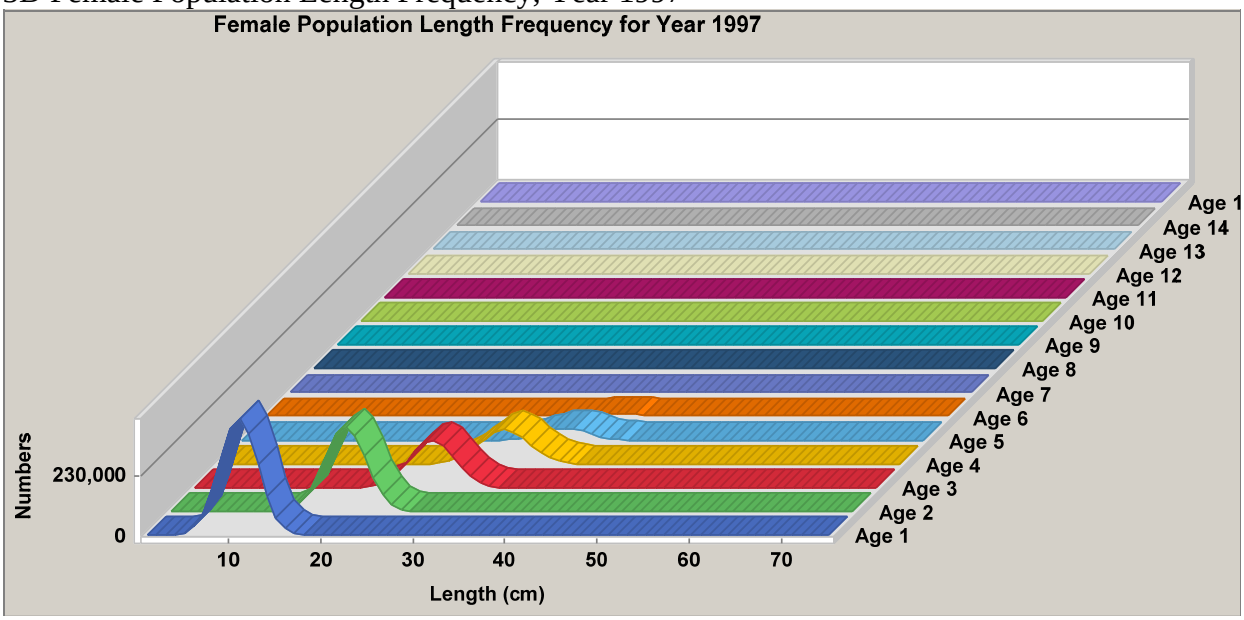
3D Female Population Length Frequency, Year 1995



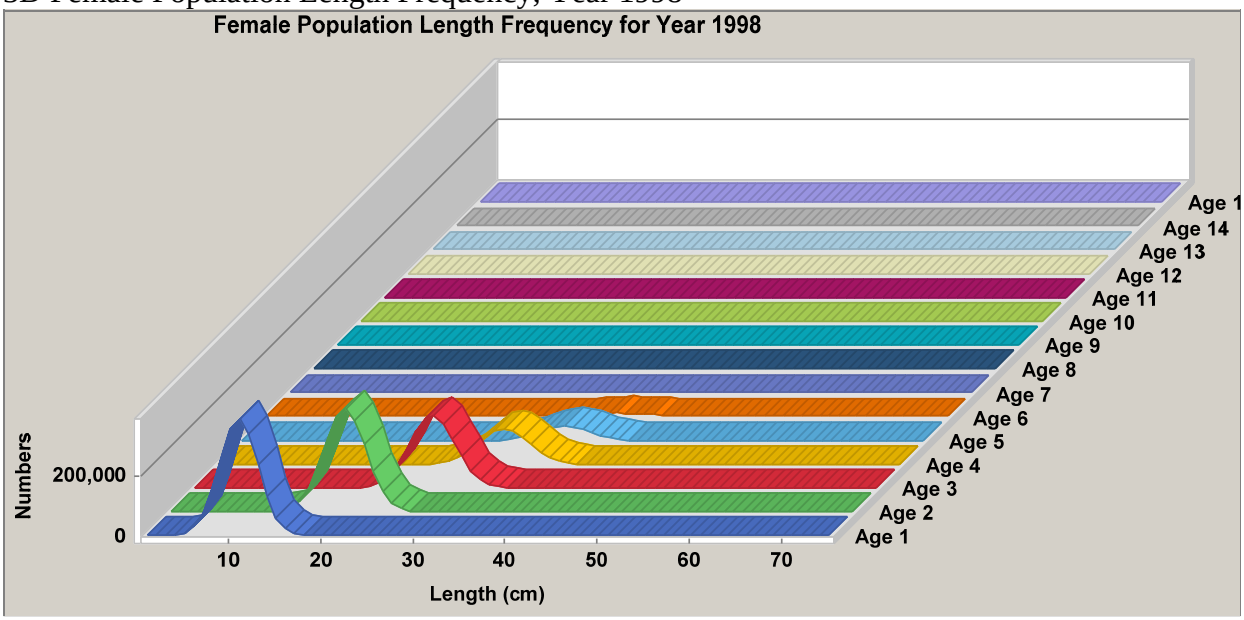
3D Female Population Length Frequency, Year 1996



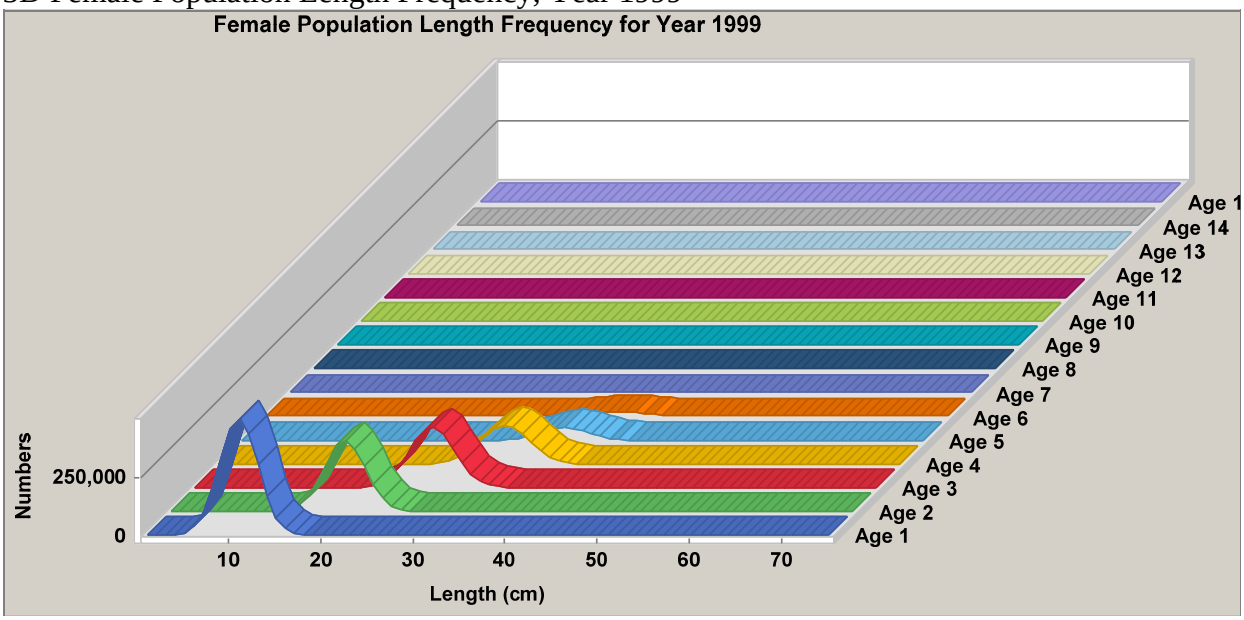
3D Female Population Length Frequency, Year 1997



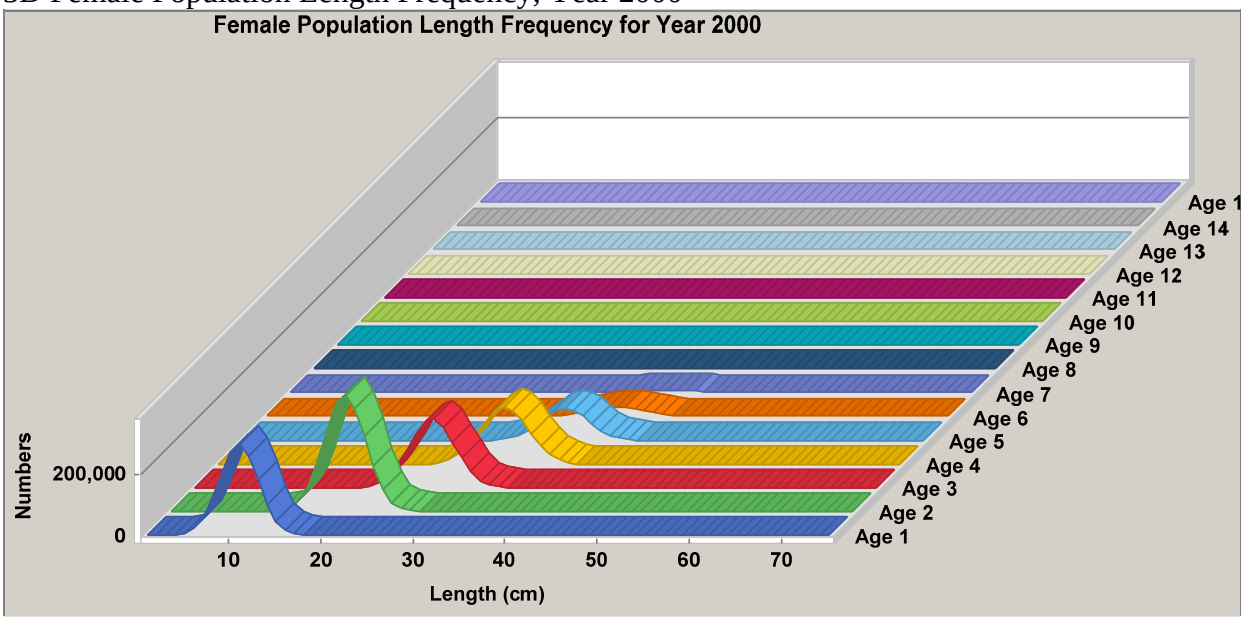
3D Female Population Length Frequency, Year 1998



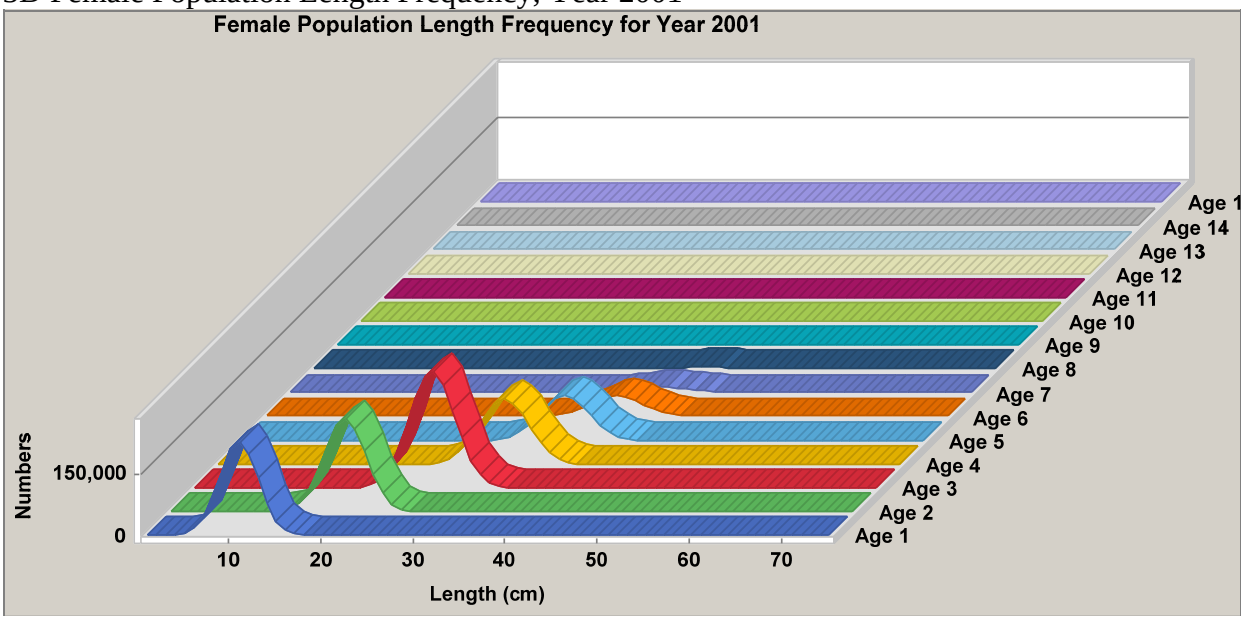
3D Female Population Length Frequency, Year 1999



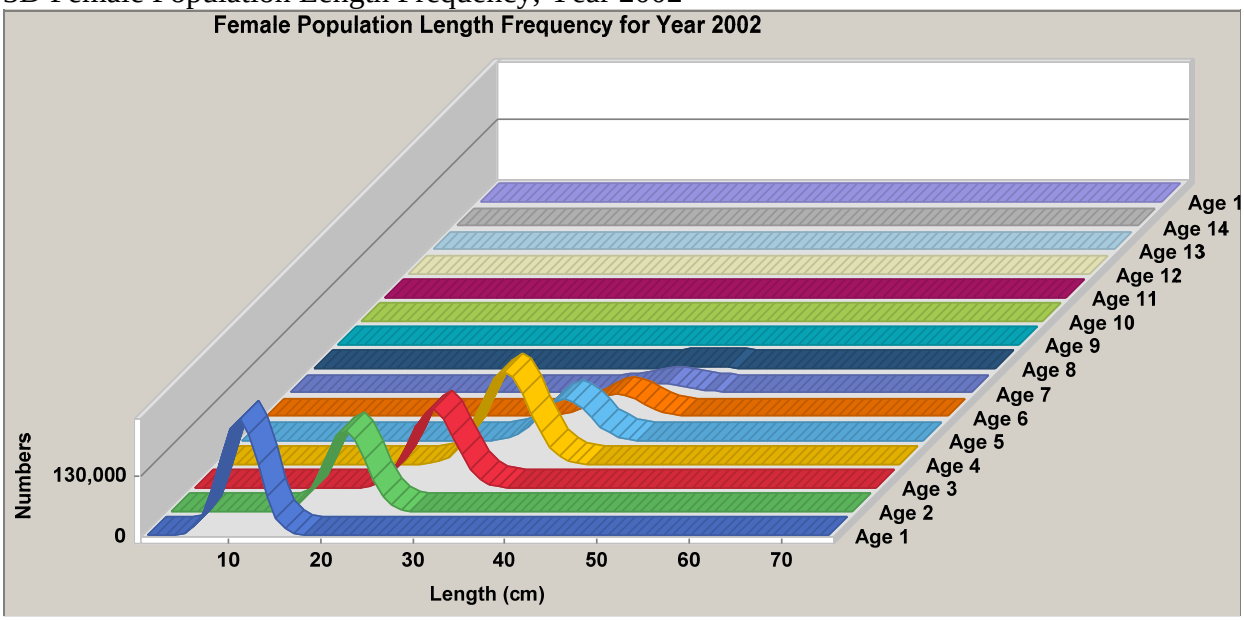
3D Female Population Length Frequency, Year 2000



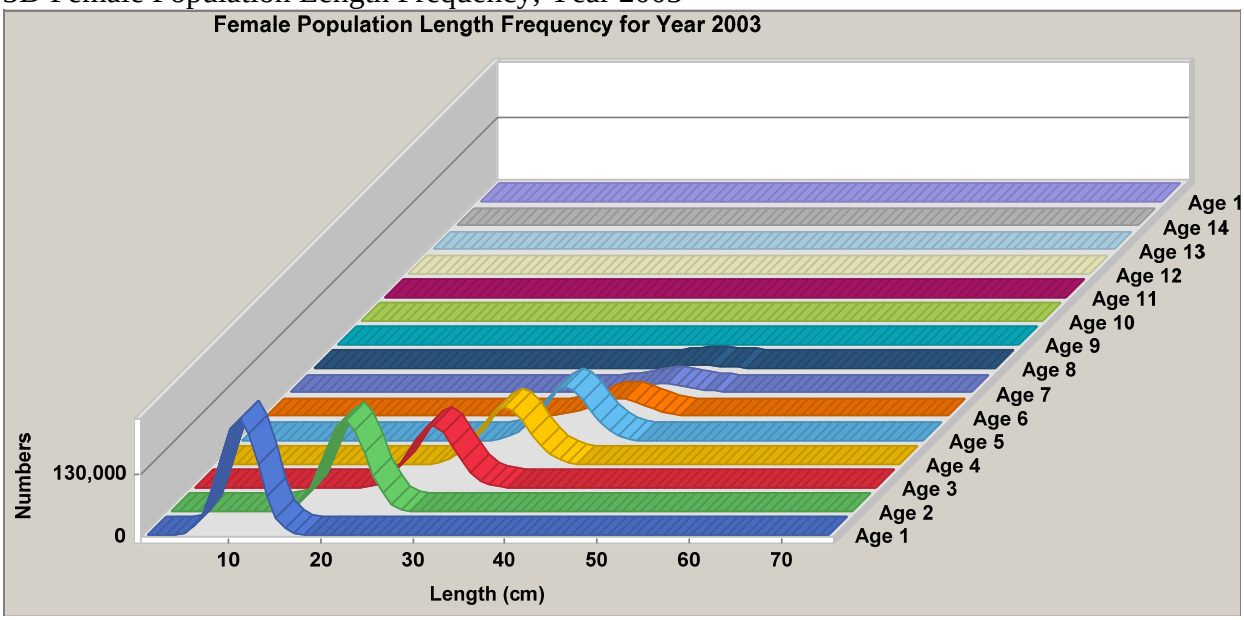
3D Female Population Length Frequency, Year 2001



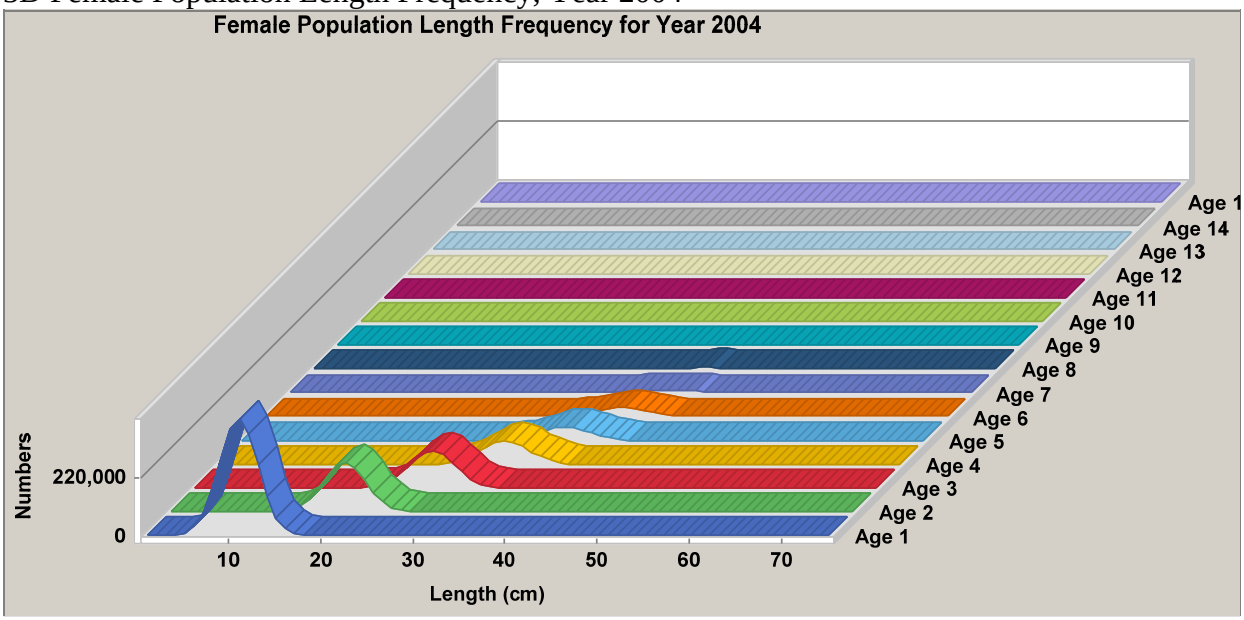
3D Female Population Length Frequency, Year 2002



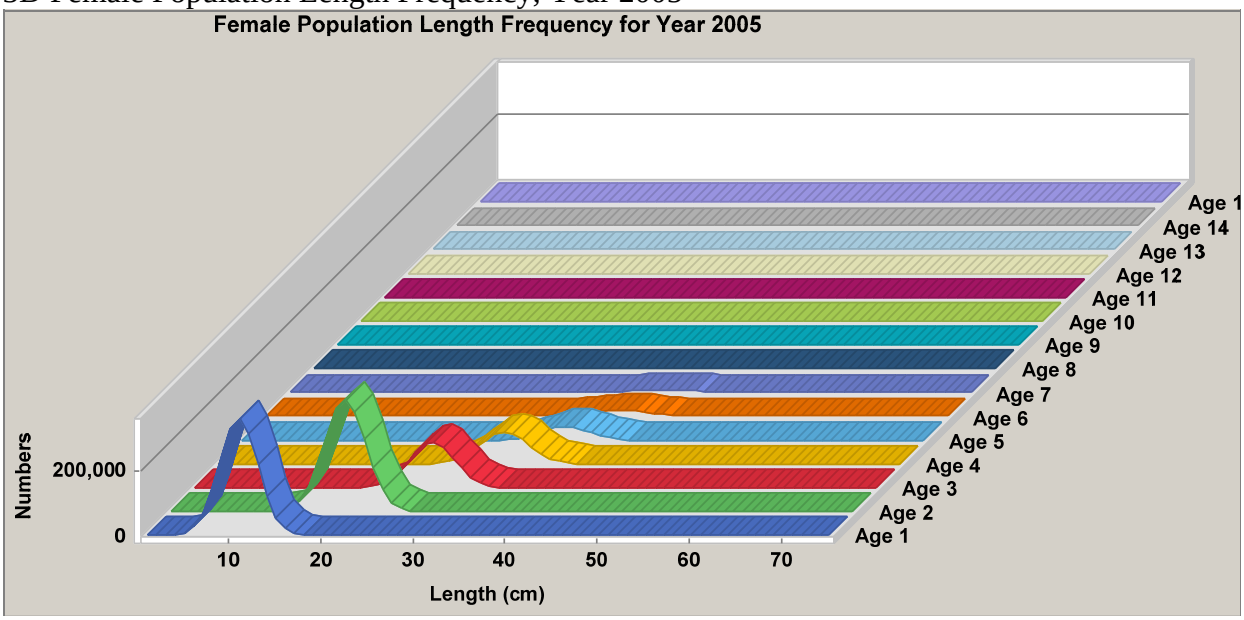
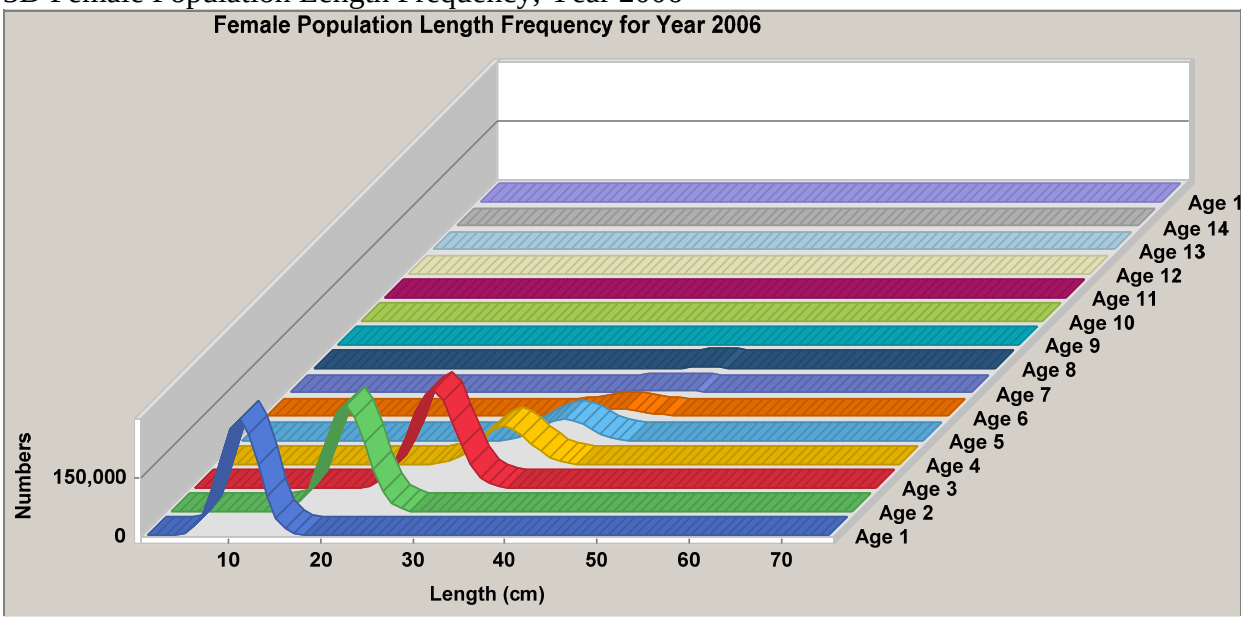
3D Female Population Length Frequency, Year 2003



3D Female Population Length Frequency, Year 2004



3D Female Population Length Frequency, Year 2005



3D Female Population Length Frequency, Year 2006