

Figure B6.1. Sensitivity of Average per Capita Annual Consumption to a) mean stomach contents and b) temperature.

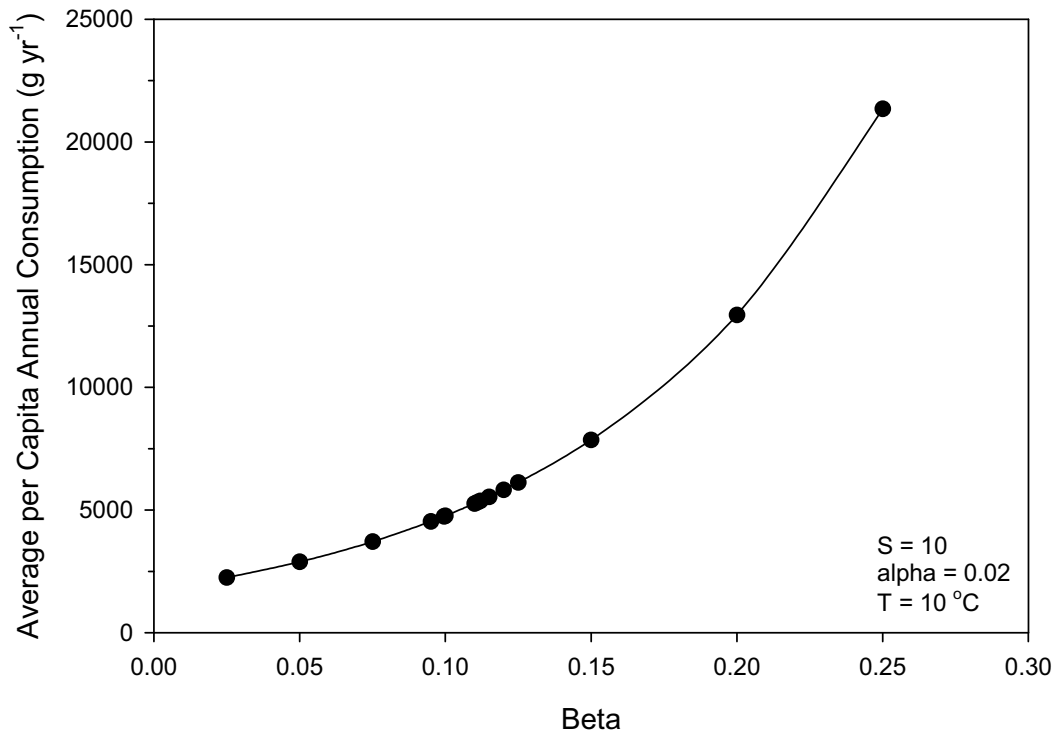
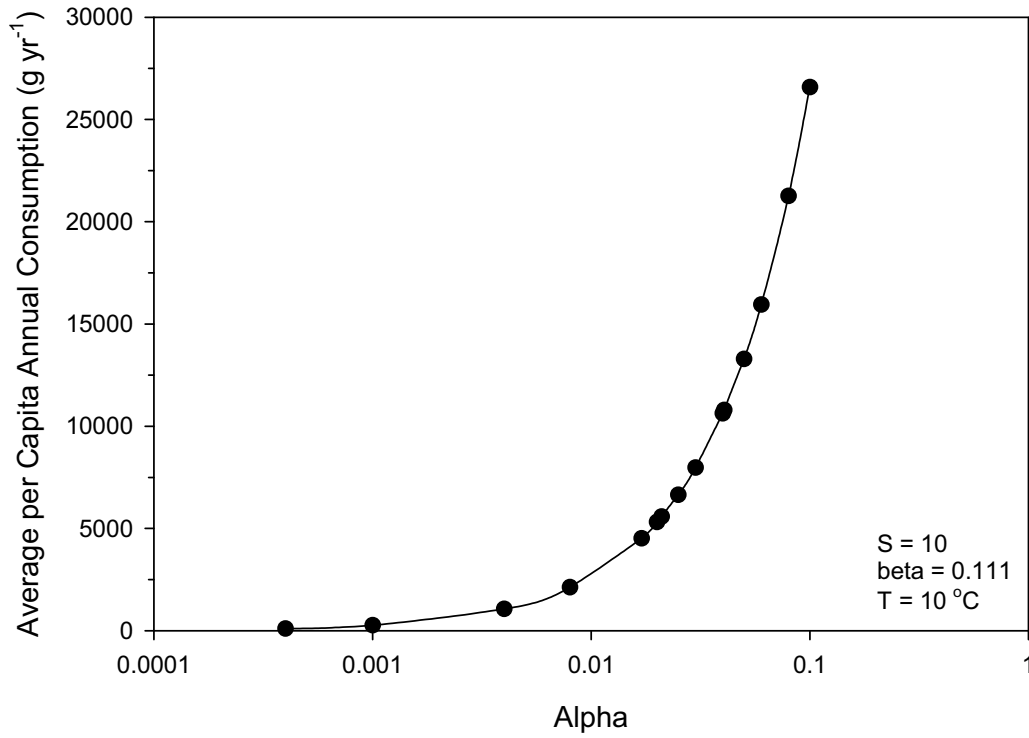


Figure B6.2. Sensitivity of Average per Capita Annual Consumption to the parameters a) alpha and b) beta.

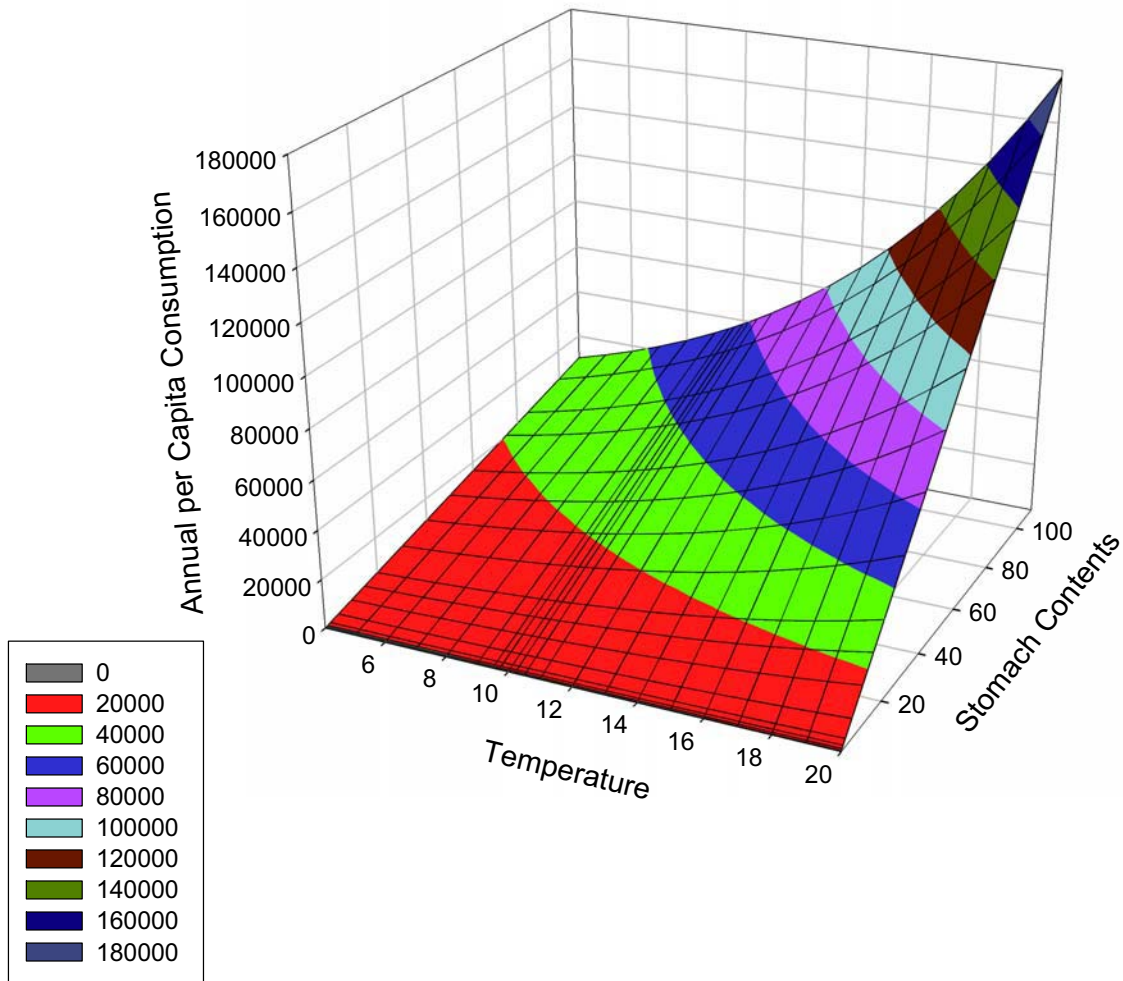


Figure 6.3. Sensitivity of Annual per Capita Consumption variation in both temperature and mean stomach contents.

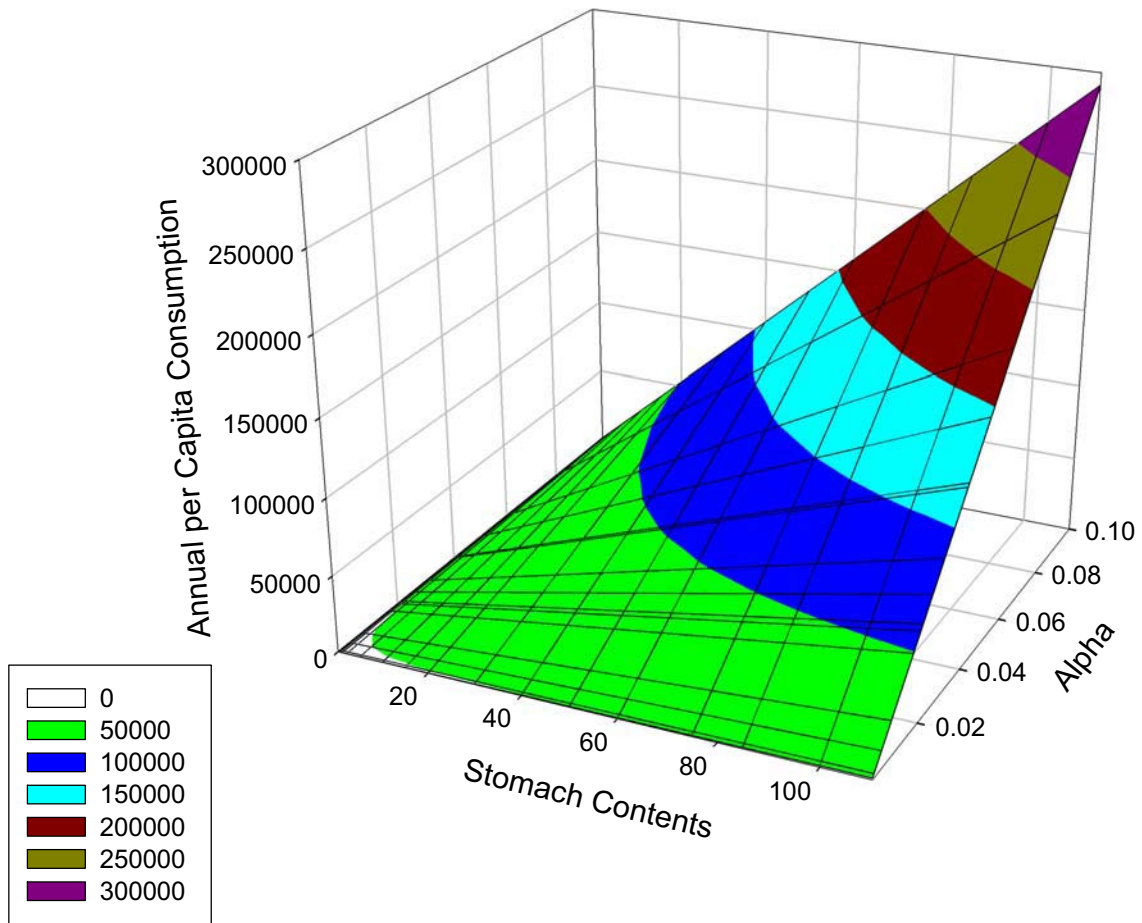


Figure 6.4. Sensitivity of Annual per Capita Consumption variation in both alpha and mean stomach contents.

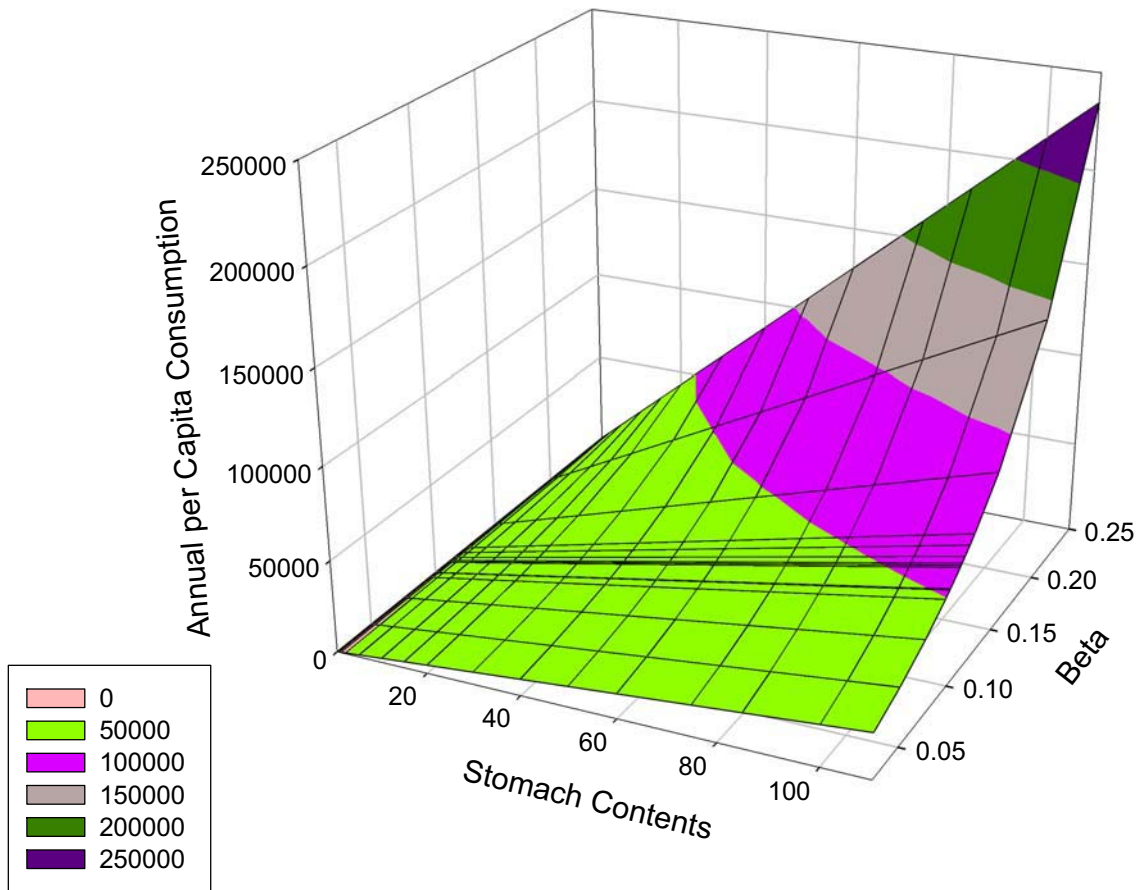


Figure 6.5. Sensitivity of Annual per Capita Consumption variation in both beta and mean stomach contents.

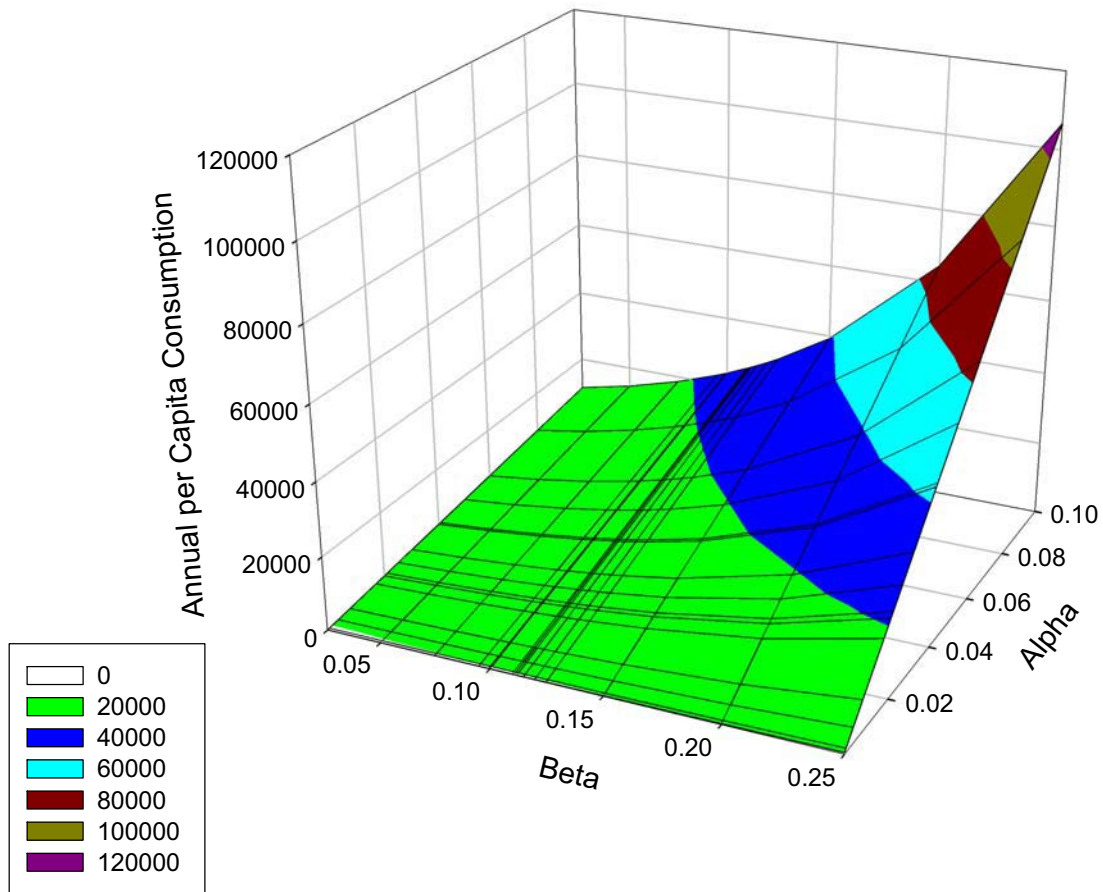


Figure 6.6. Sensitivity of Annual per Capita Consumption variation in both beta and alpha.

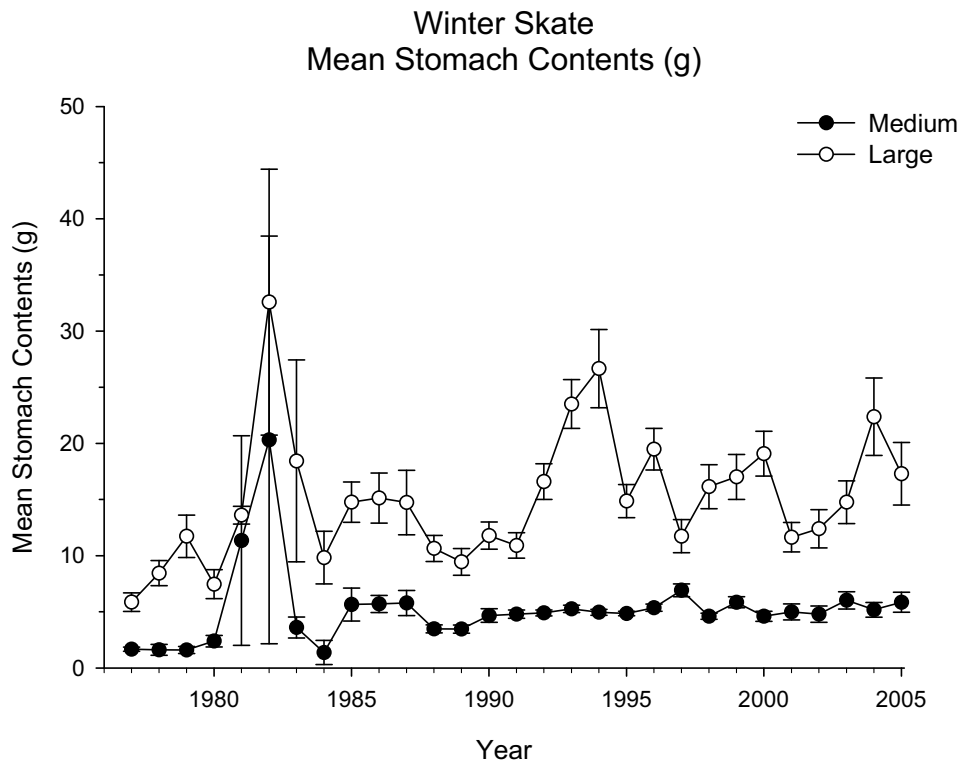


Figure B6.7a. The annual mean stomach contents (0.1 g) of winter skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

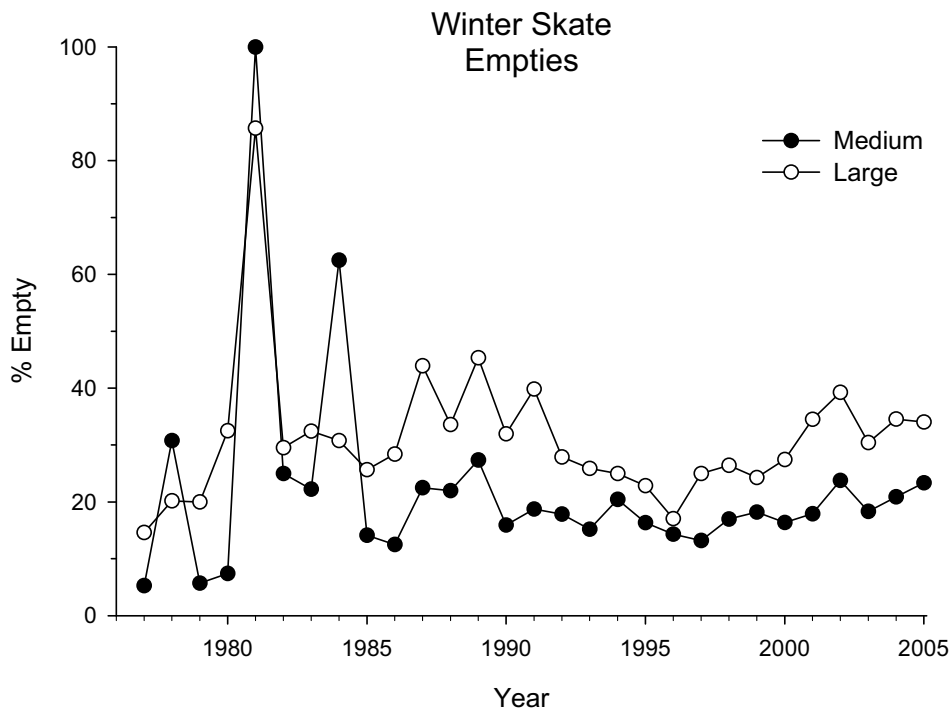


Figure B6.7b. The percentage of stomachs that were empty (i.e., containing no prey) of Winter skate for the strata set and time period noted. Each size class is noted

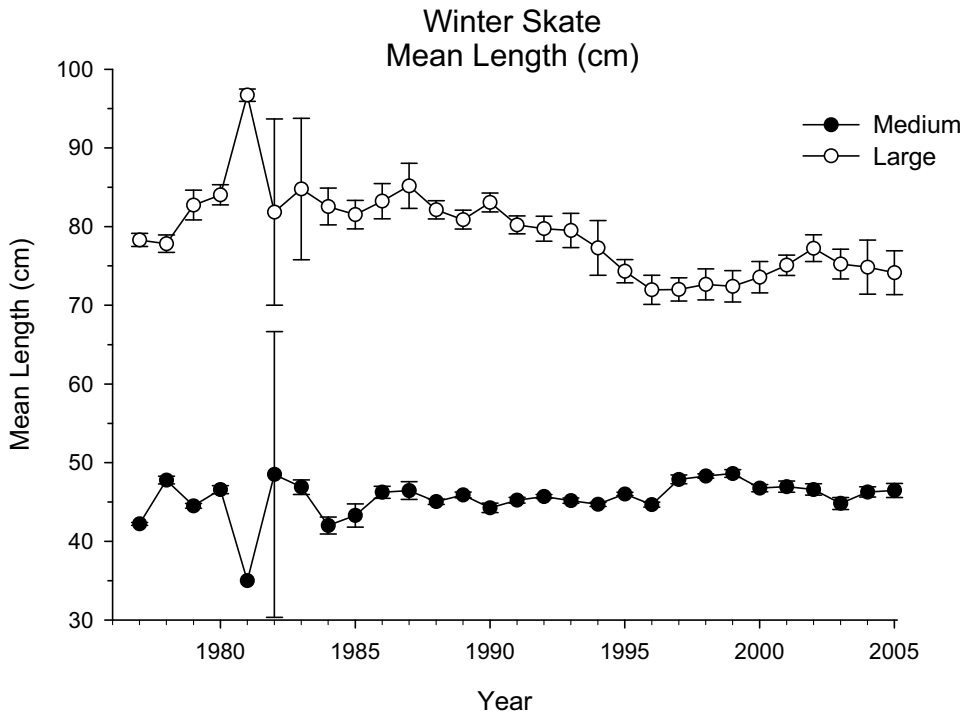


Figure B6.8a. The mean length (1 cm) of Winter skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

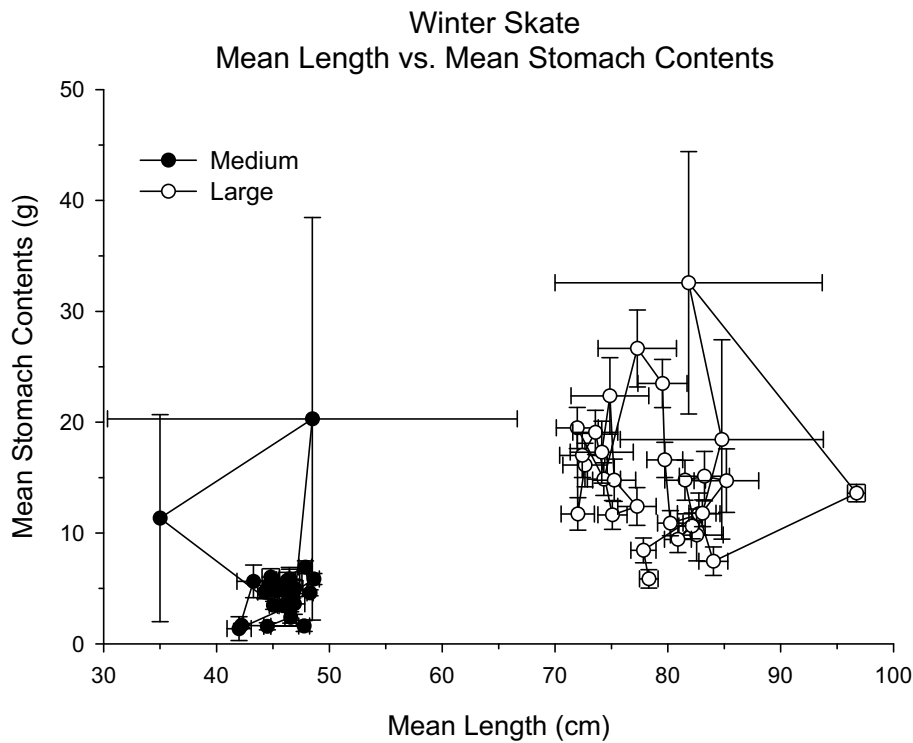


Figure B6.8b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Winter skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.



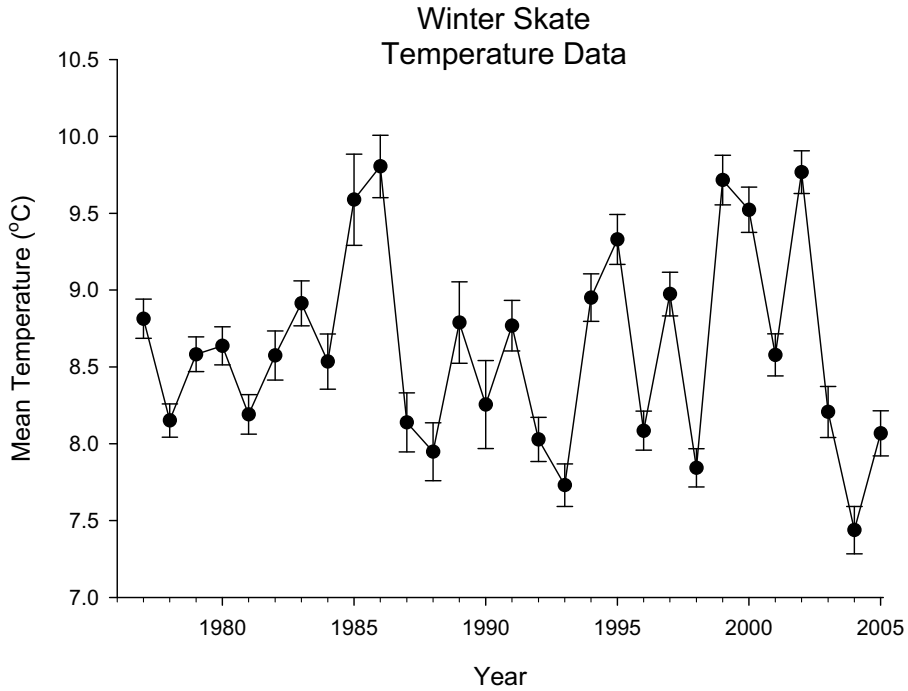


Figure B6.9a. The annual mean bottom temperature (0.1 °C) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

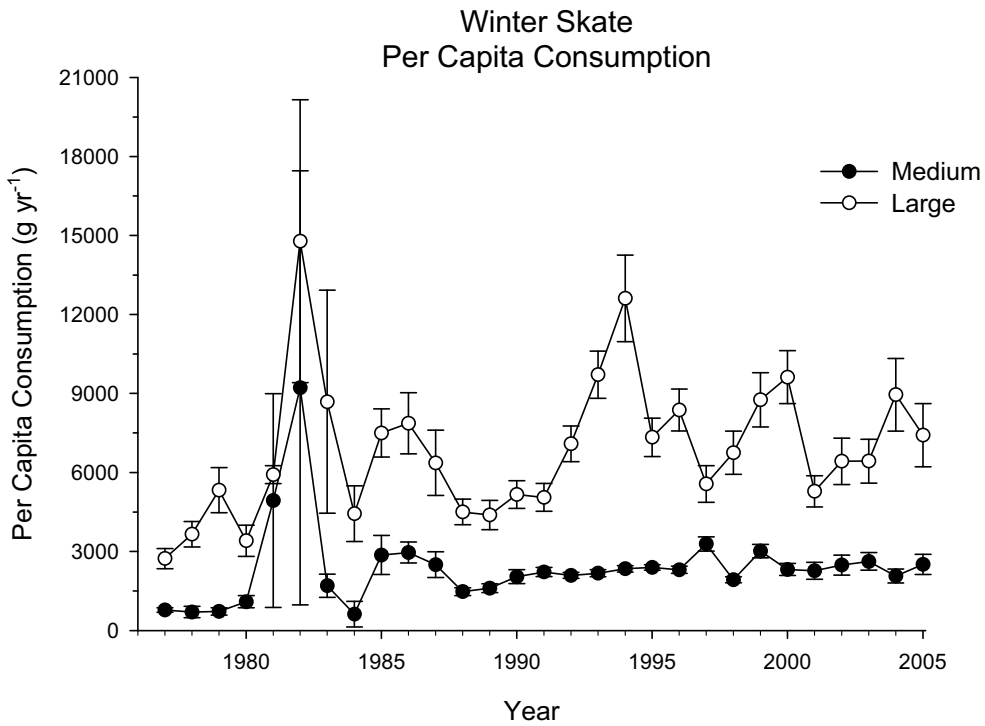


Figure B6.9b. The annual per capita consumption (g yr<sup>-1</sup>) of Winter skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

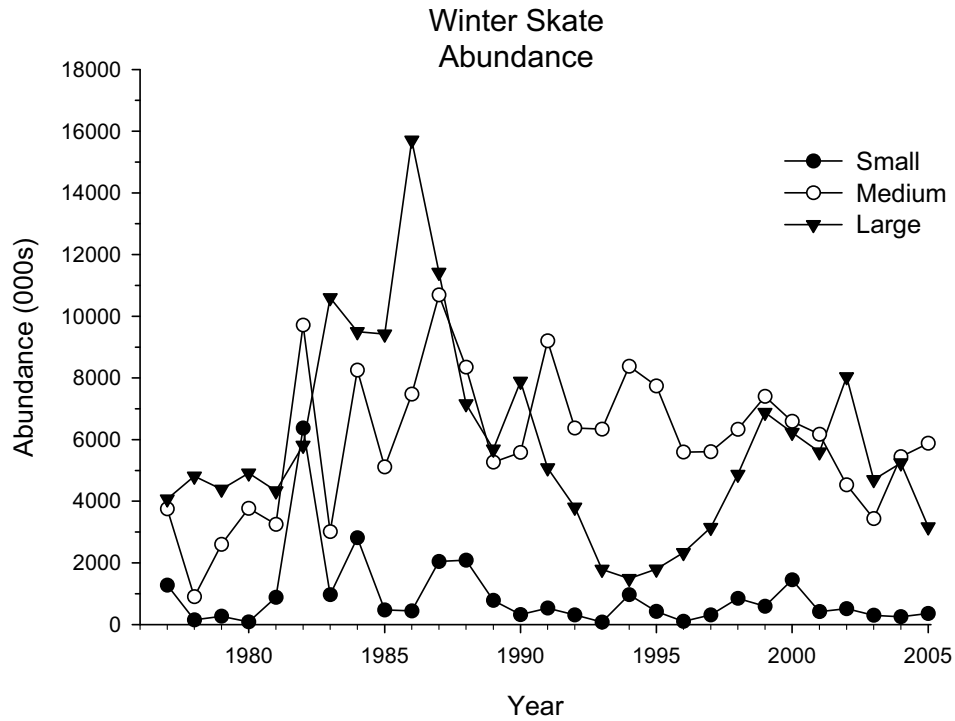


Figure B6.10a. The annual mean swept area abundance of winter skate for the strata set and time period noted. Each size class is noted.

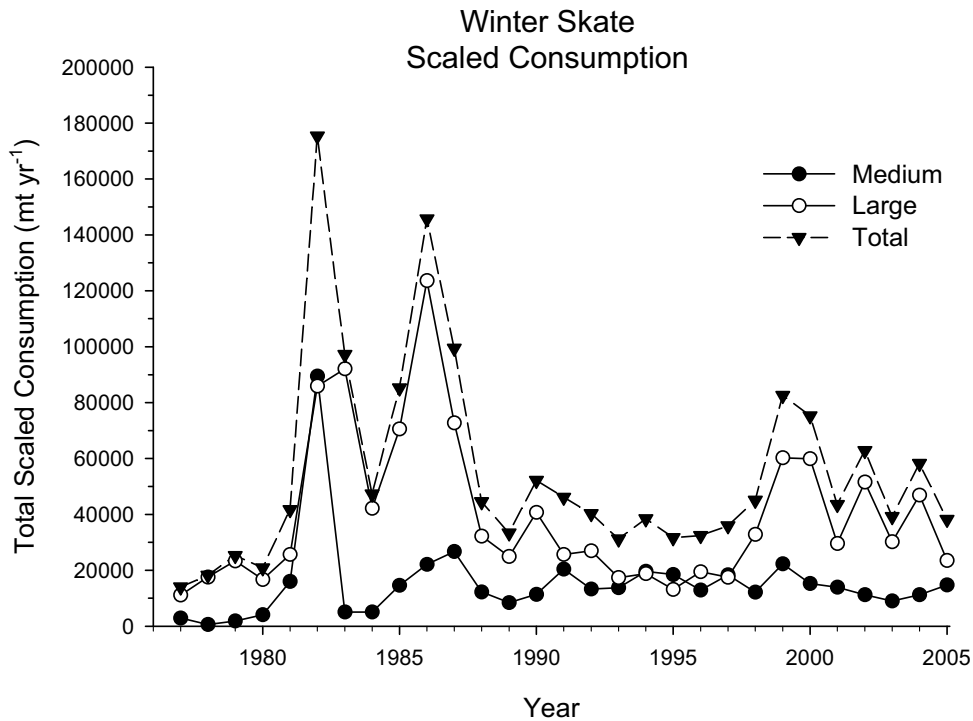


Figure B6.10b. The annual total consumption (MT yr<sup>-1</sup>) of Winter skate for the strata set and time period noted.

### WINTER SKATE PREY REMOVAL

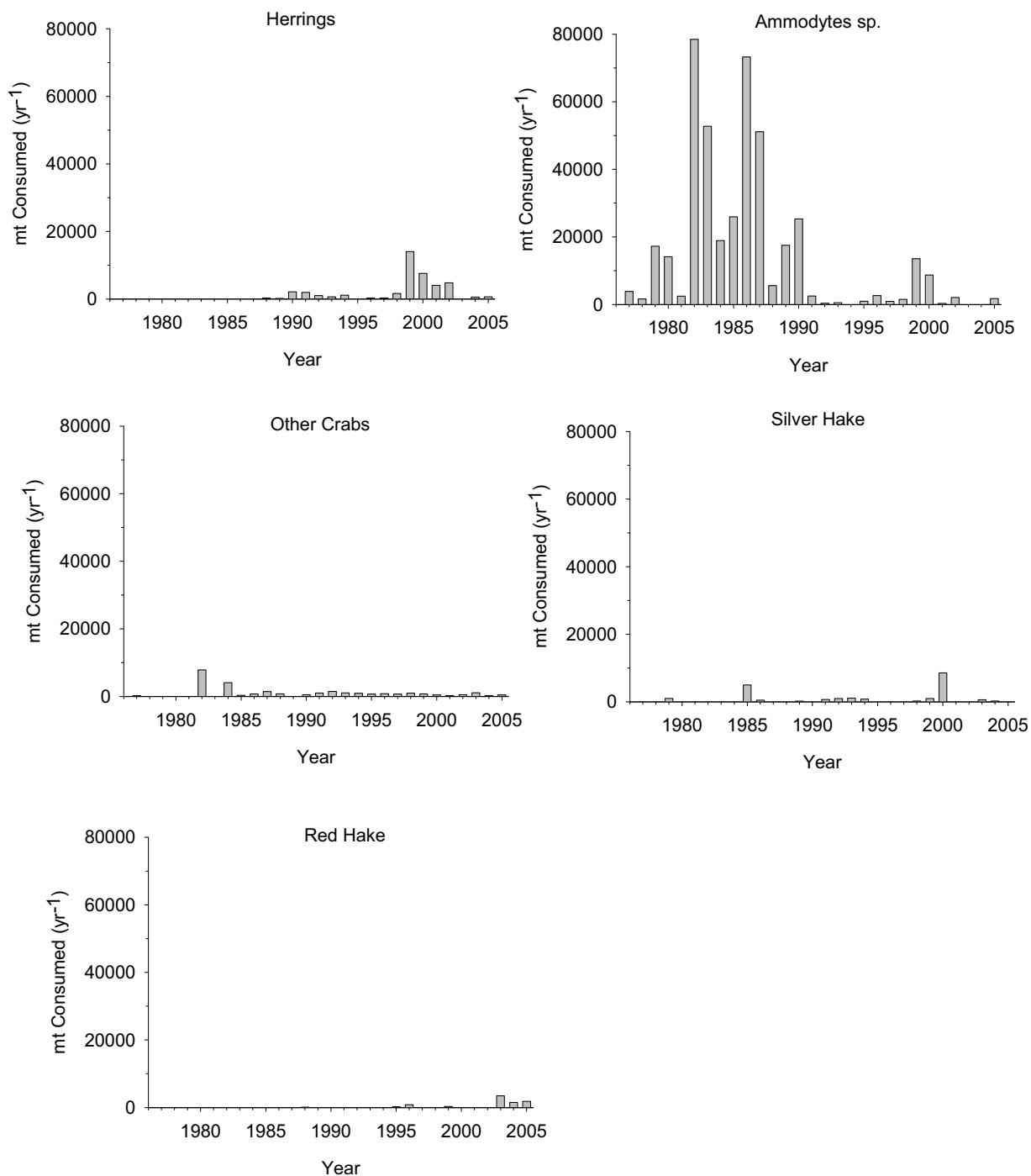


Figure B6.11. The amount of prey consumed (MT yr<sup>-1</sup>) by Winter skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Winter skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Winter skate.

WINTER SKATE PREY REMOVAL

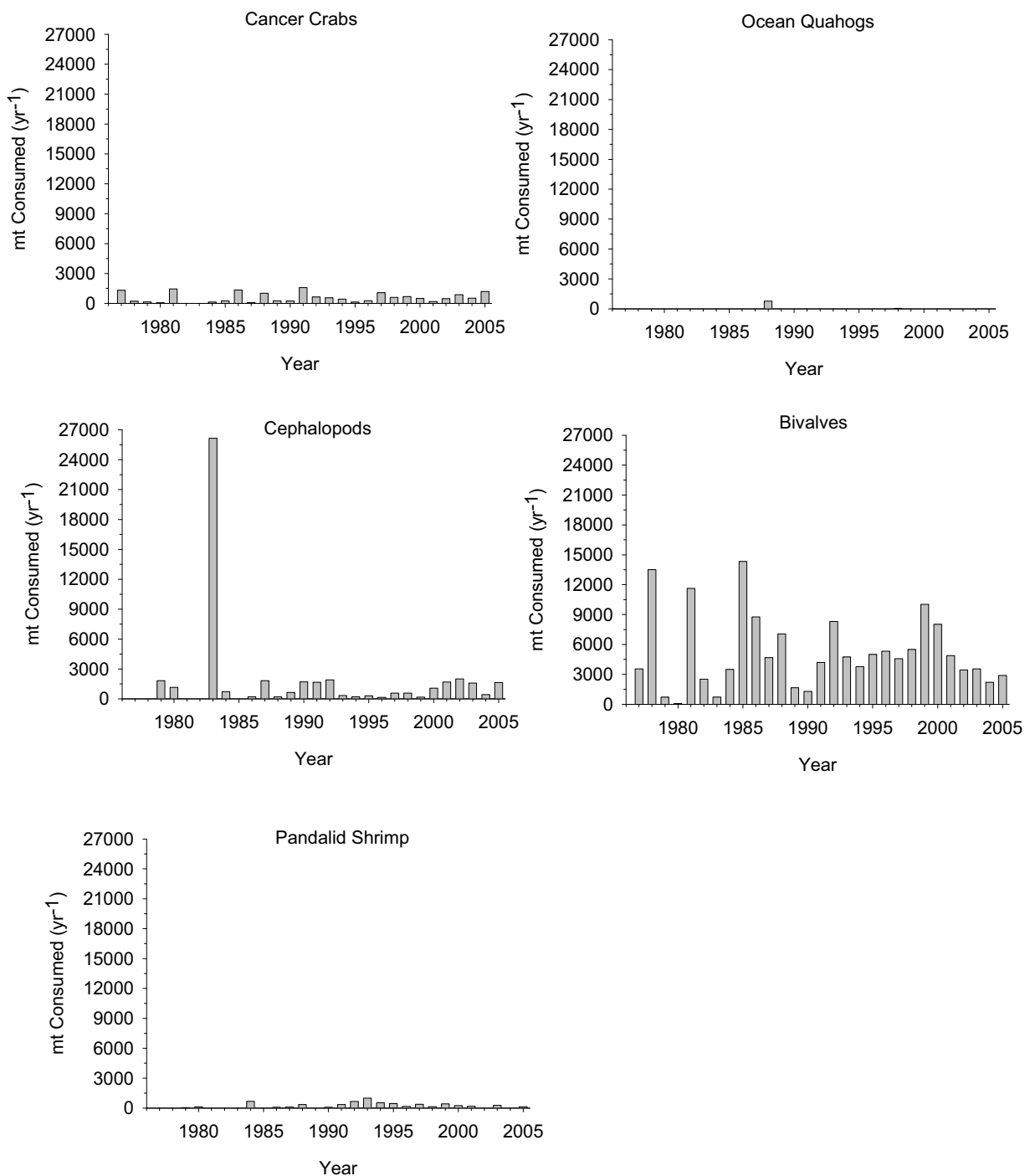


Figure B6.12. The amount of prey consumed (MT yr<sup>-1</sup>) by Winter skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Winter skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Winter skate.

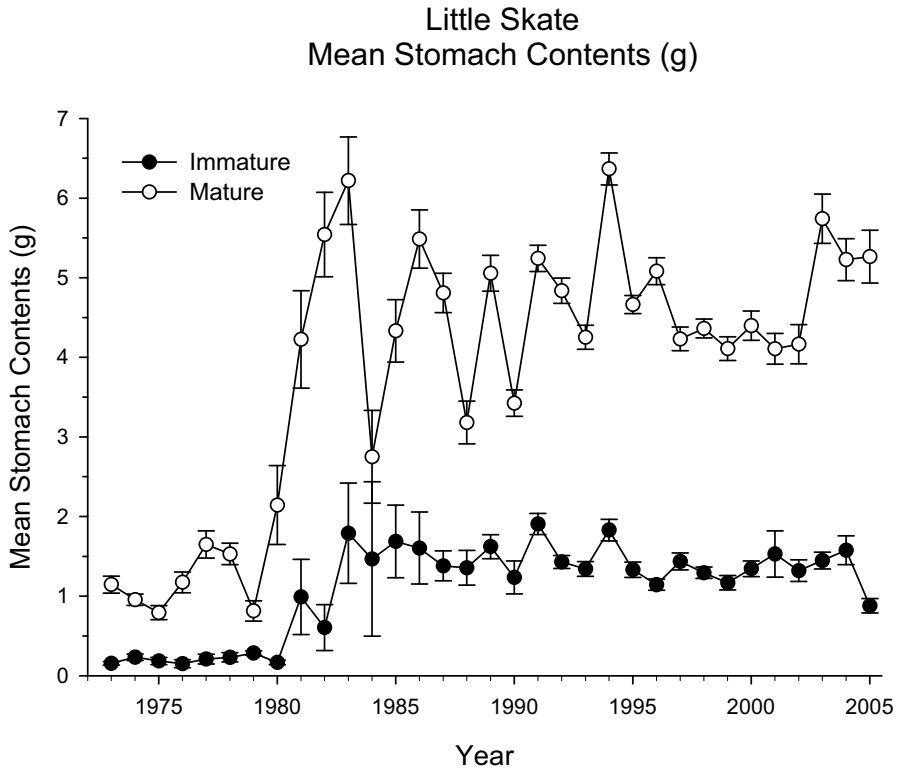


Figure B6.13a. The annual mean stomach contents (0.1 g) of Little skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

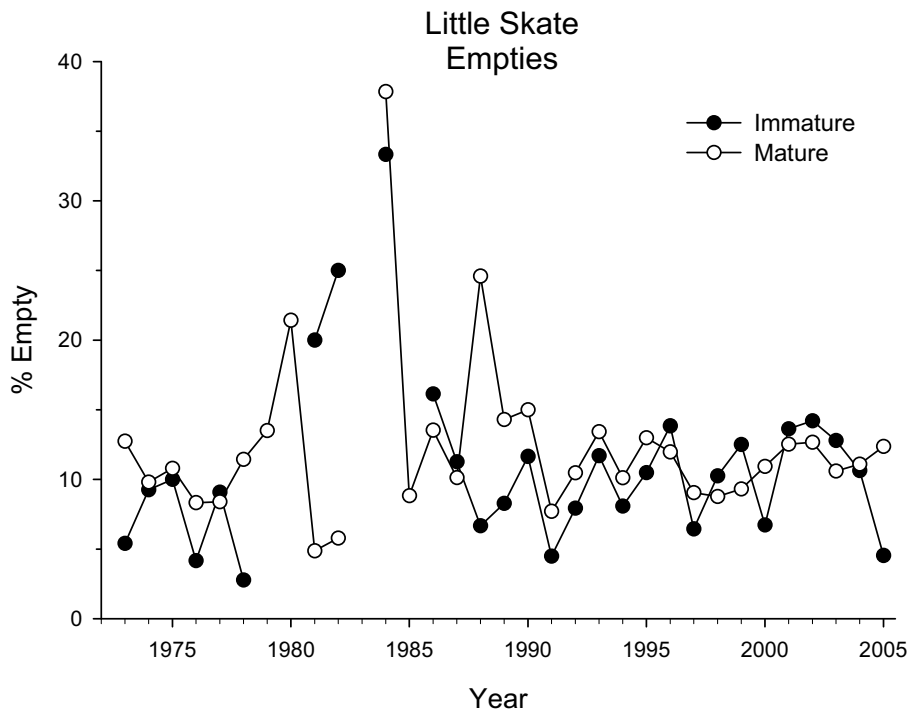


Figure B6.13b. The percentage of stomachs that were empty (i.e., containing no prey) of Little skate for the strata set and time period noted. Each size class is noted.

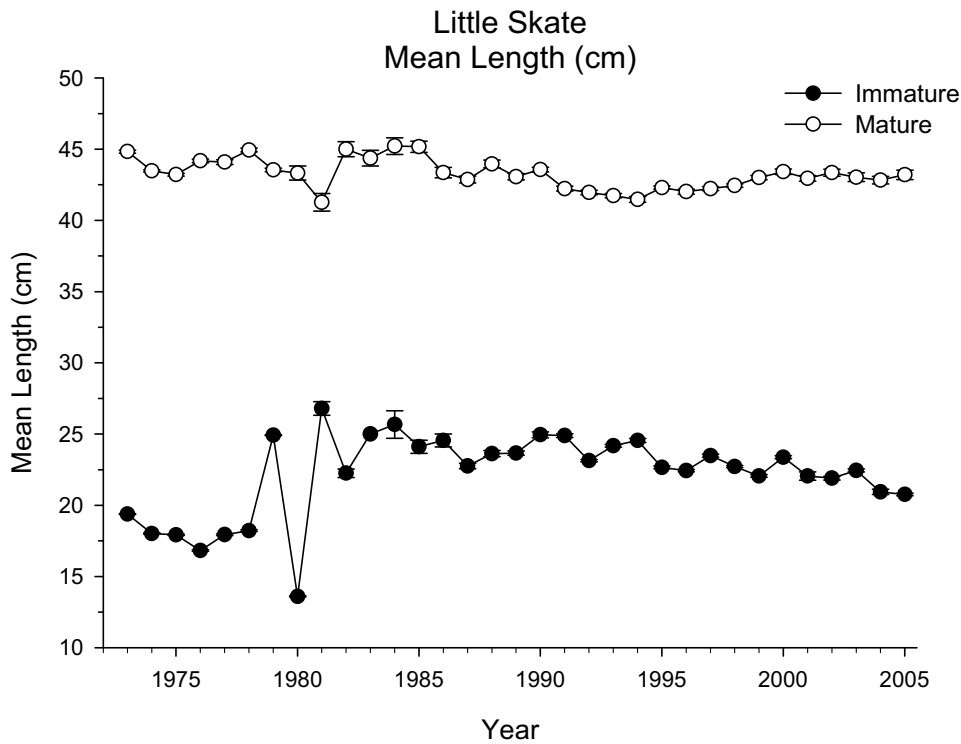


Figure B6.14a. The mean length (1 cm) of Little skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

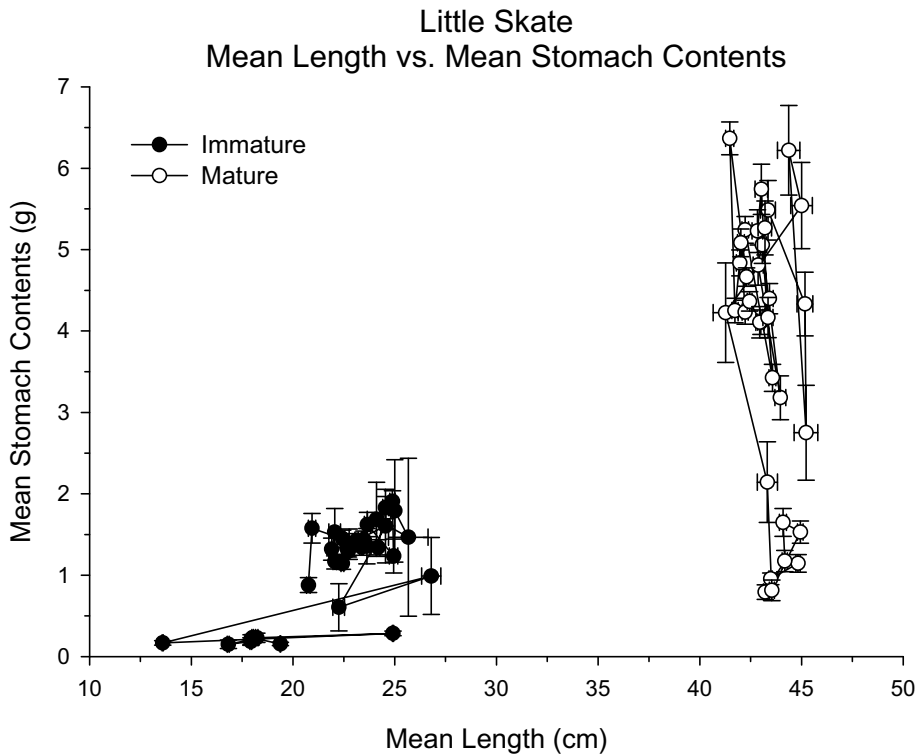


Figure B6.14b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Little skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

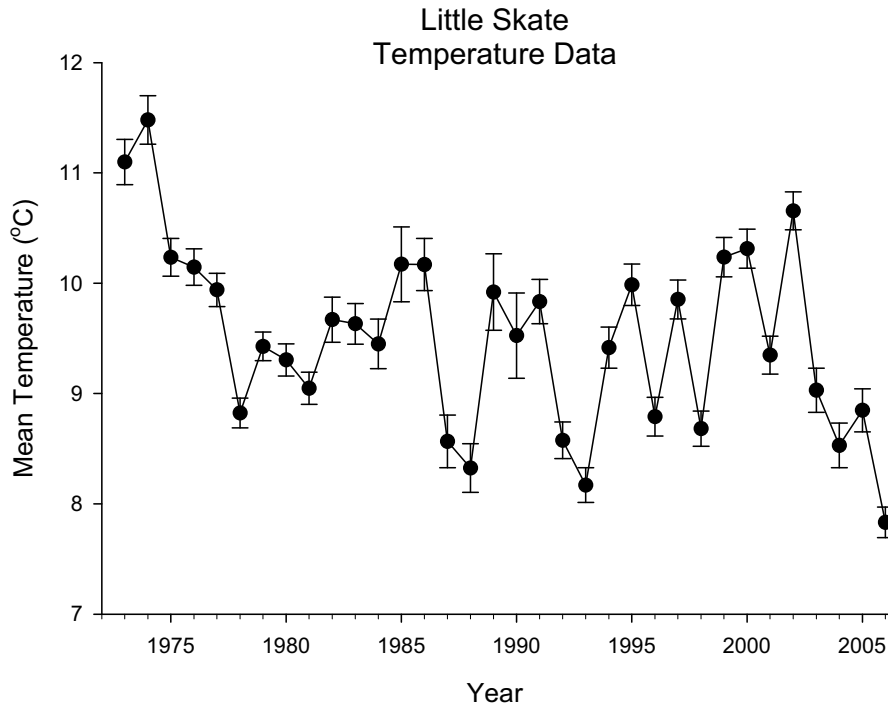


Figure B6.15a. The annual mean bottom temperature (0.1 oC) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

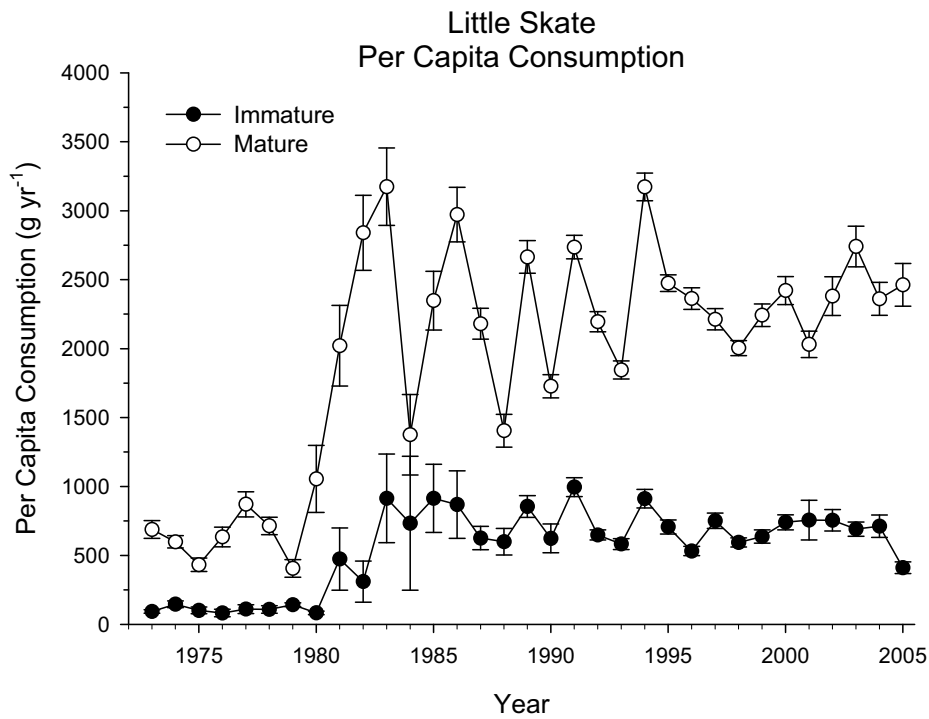


Figure B6.15b. The annual per capita consumption (g yr<sup>-1</sup>) of Little skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

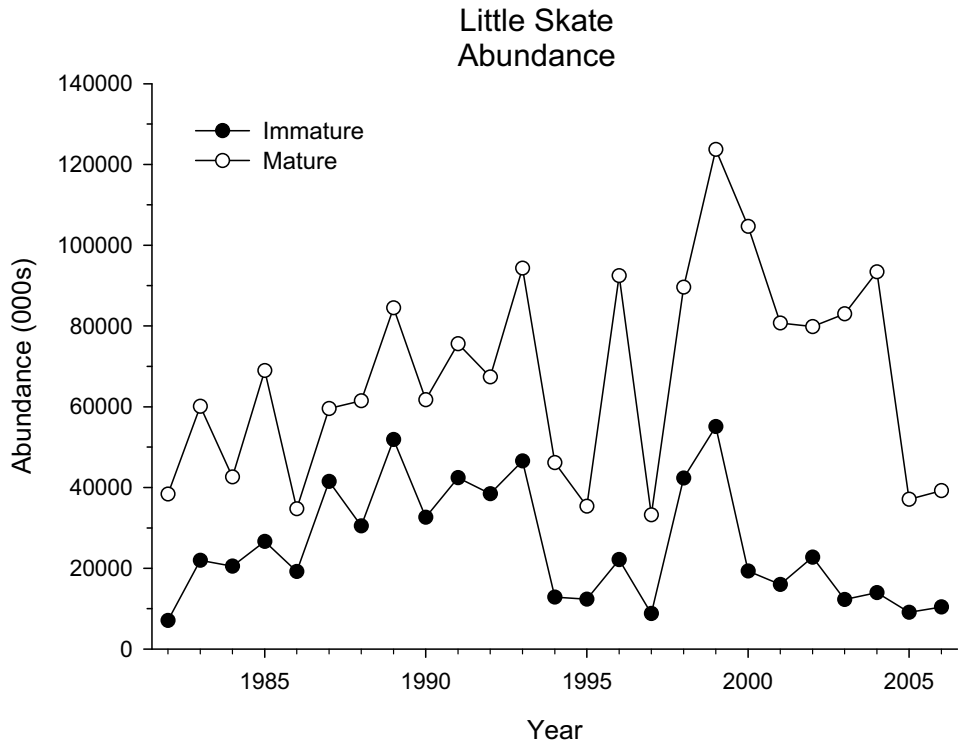


Figure B6.16a. The annual mean swept area abundance of Little skate for the strata set and time period noted. Each size class is noted.

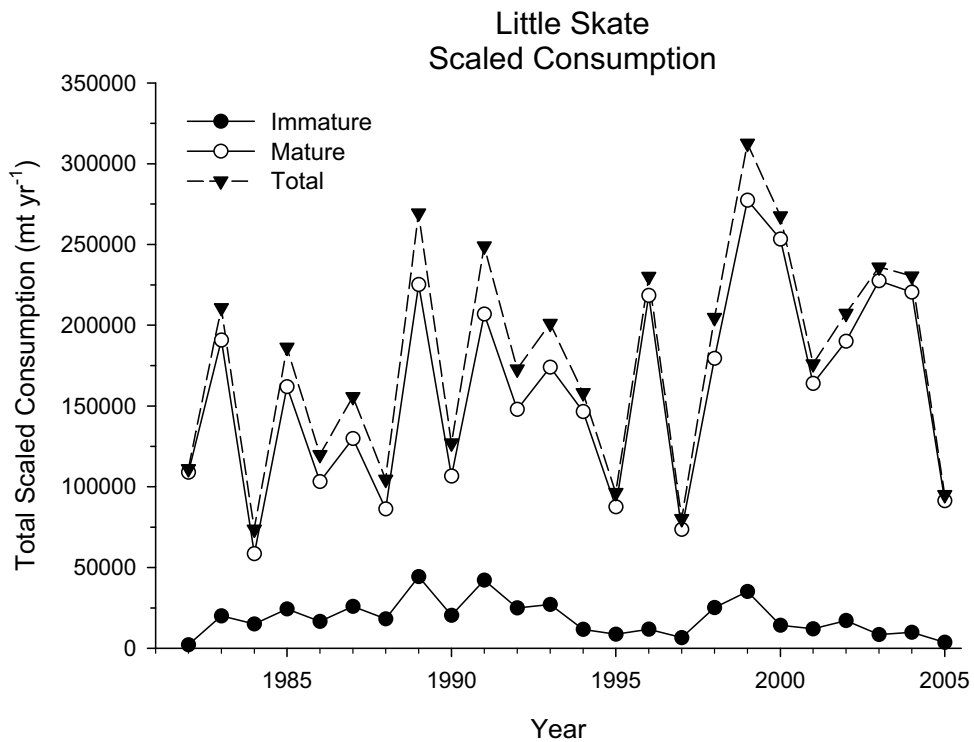


Figure B6.16b. The annual total consumption (MT yr<sup>-1</sup>) of Little skate for the strata set and time period noted.



LITTLE SKATE PREY REMOVAL

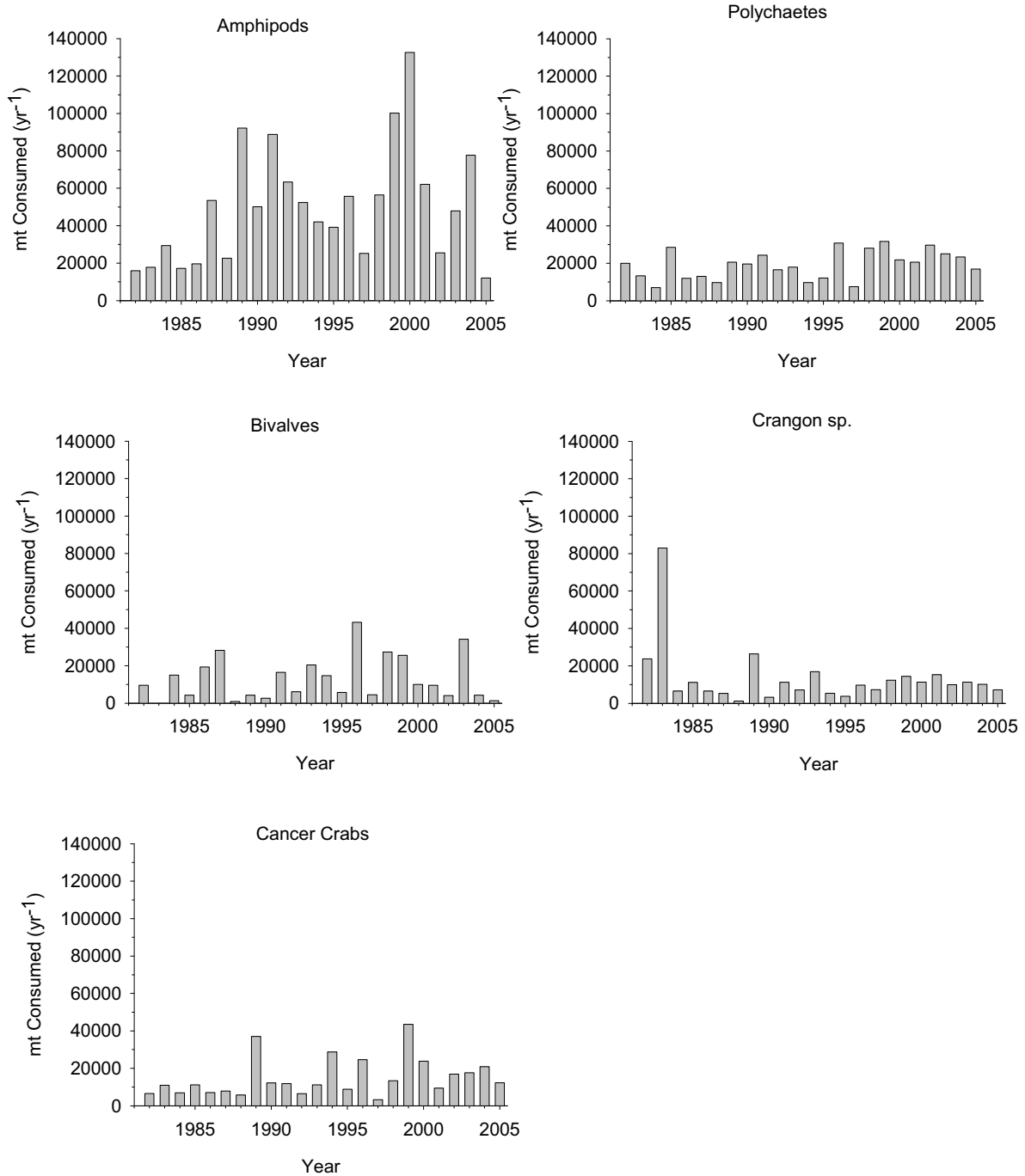


Figure B6.17. The amount of prey consumed (MT yr<sup>-1</sup>) by Little skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Little skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Little skate.

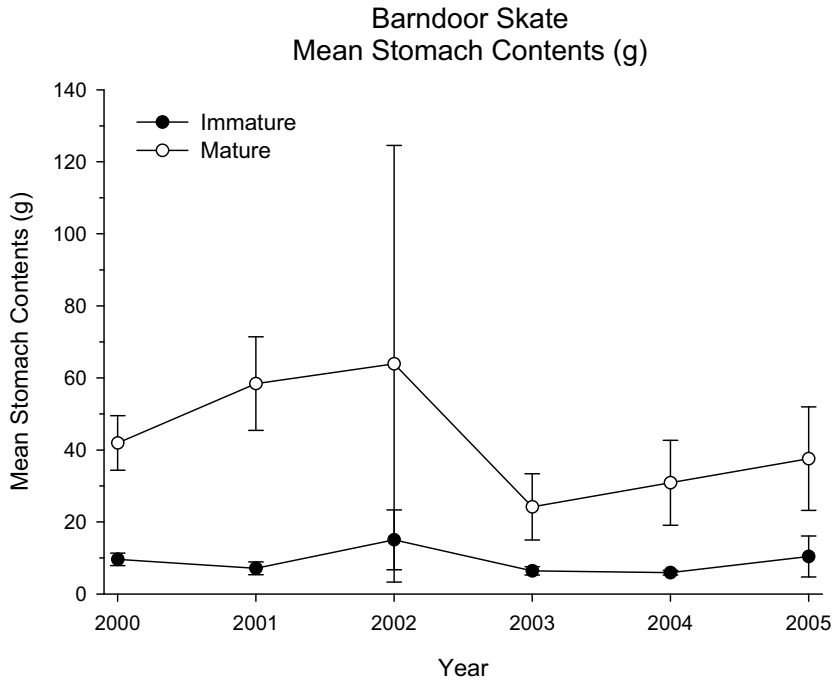


Figure B6.18a. The annual mean stomach contents (0.1 g) of barndoor skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

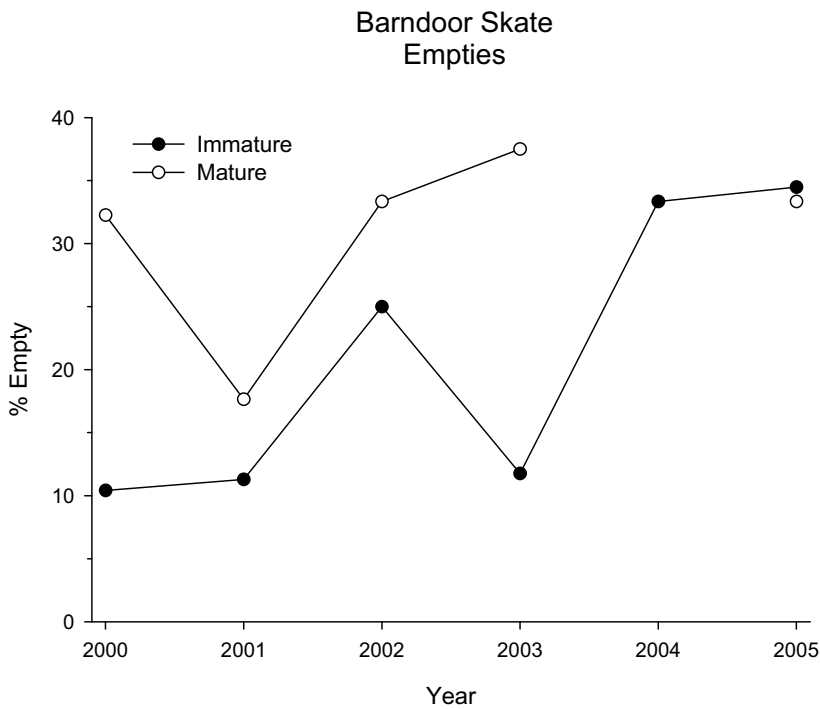


Figure B6.18b. The percent of barndoor skates that had empty stomachs, by year and size class.

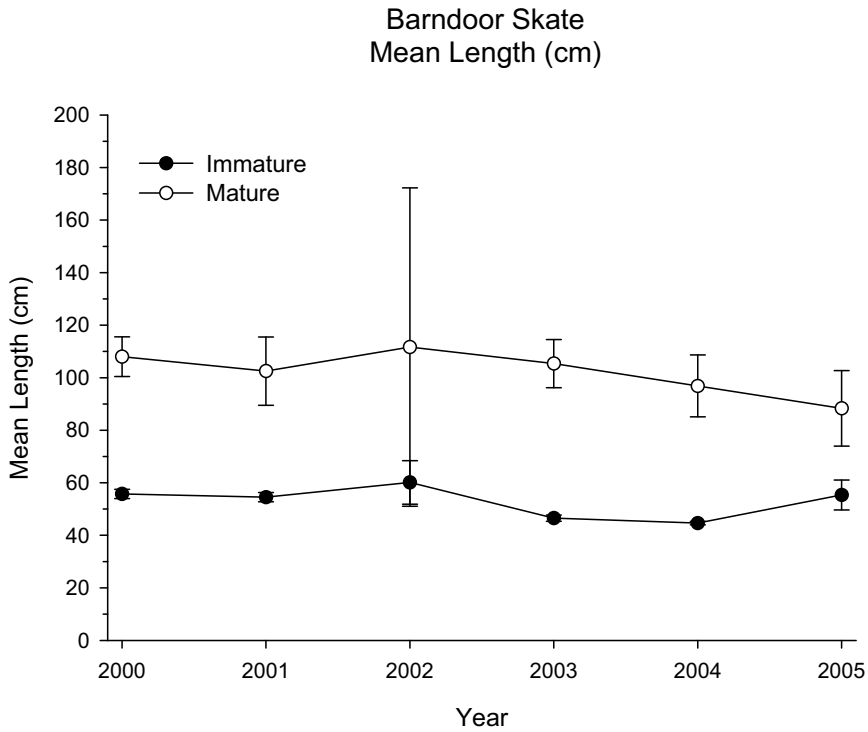


Figure B6.19a. The mean length (1 cm) of Barndoor skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

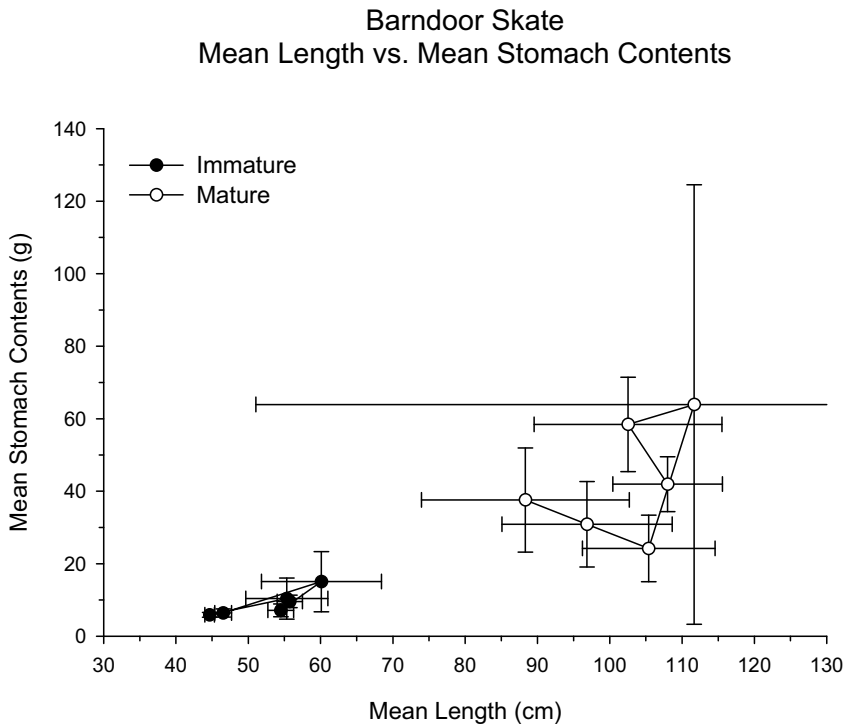


Figure B6.19b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Barndoor skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

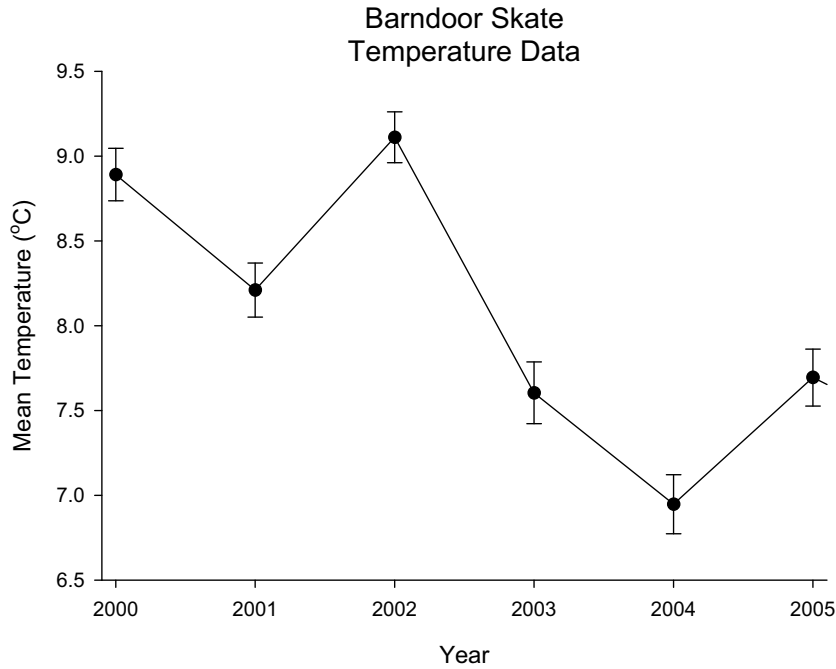


Figure B6.20a. The annual mean bottom temperature ( $0.1^{\circ}\text{C}$ ) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

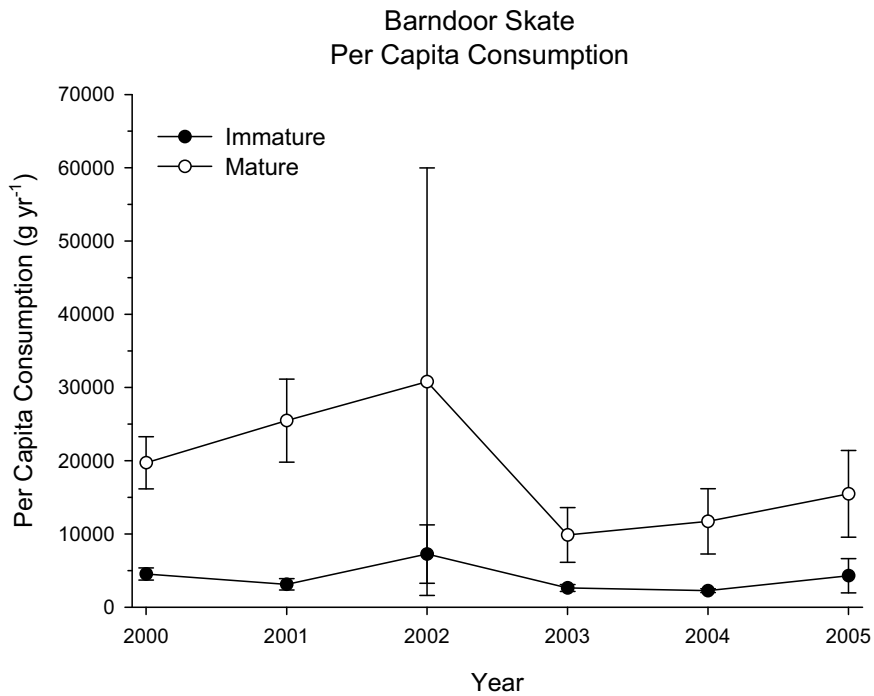


Figure B6.20b. The annual per capita consumption ( $\text{g yr}^{-1}$ ) of Barndoor skate for the strata set and time period noted. Each size class is noted.

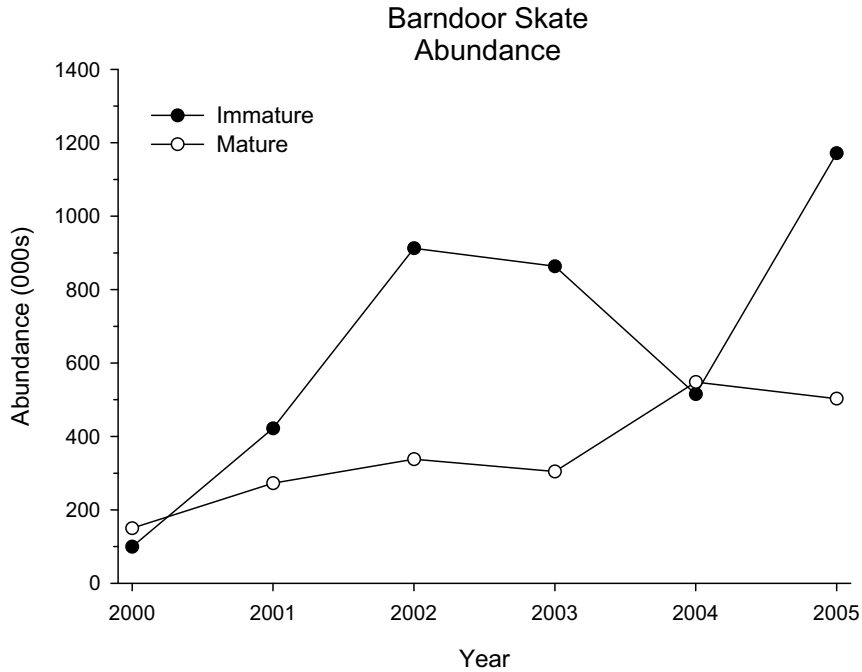


Figure B6.21a. The annual mean swept area abundance of Barndoor skate for the strata set and time period noted. Each size class is noted.

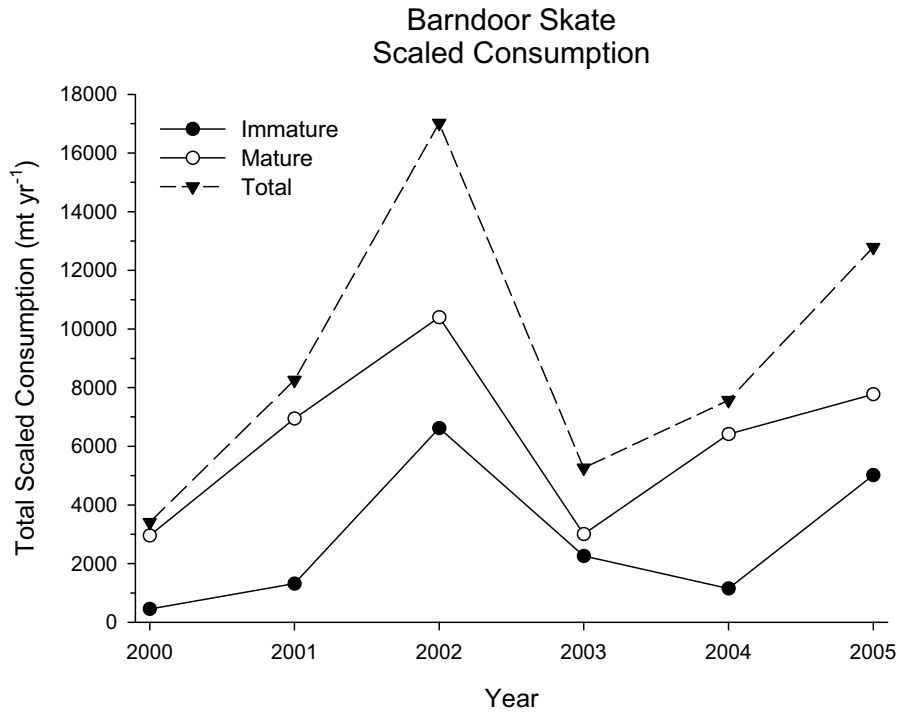


Figure B6.21b. The annual total consumption (MT yr<sup>-1</sup>) of Barndoor skate for the strata set and time period noted.

BARNDOOR SKATE PREY REMOVAL

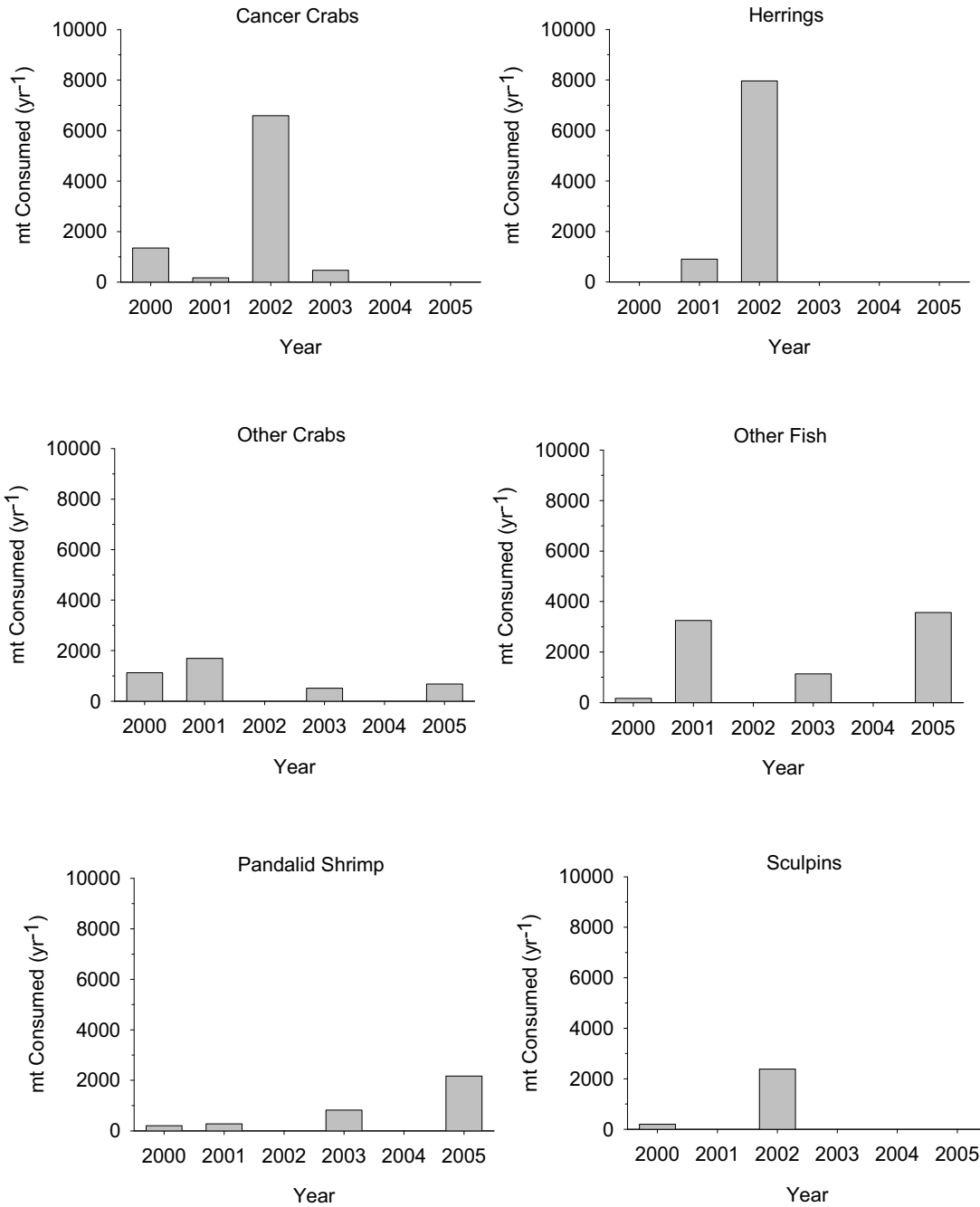


Figure B6.22. The amount of prey consumed (MT yr<sup>-1</sup>) by Barndoor skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Barndoor skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Barndoor skate.

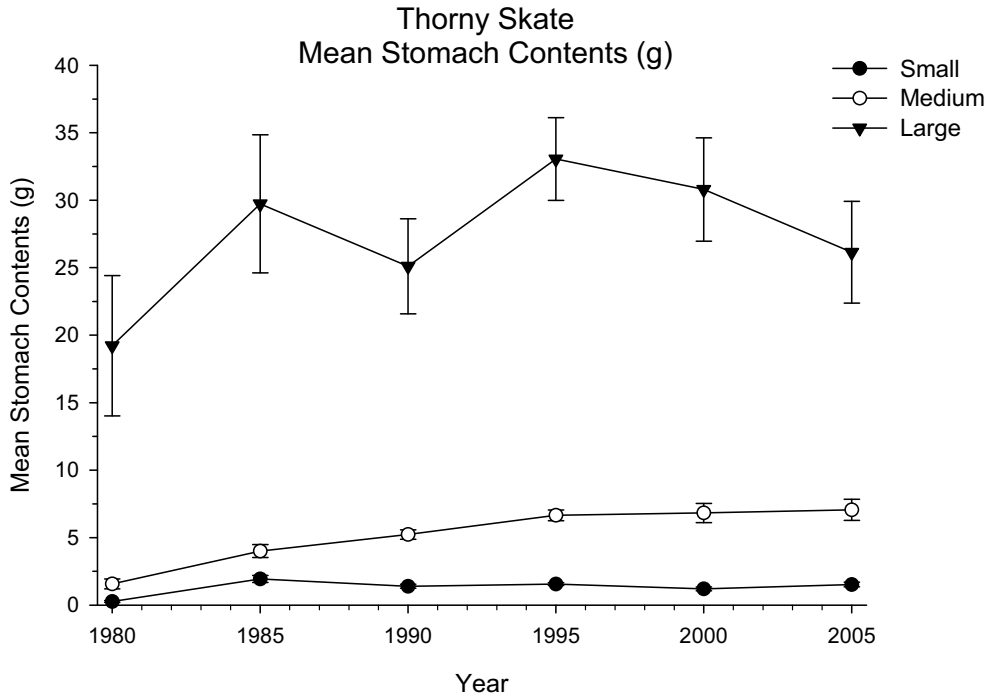


Figure B6.23a. The annual mean stomach contents (0.1 g) of Thorny skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

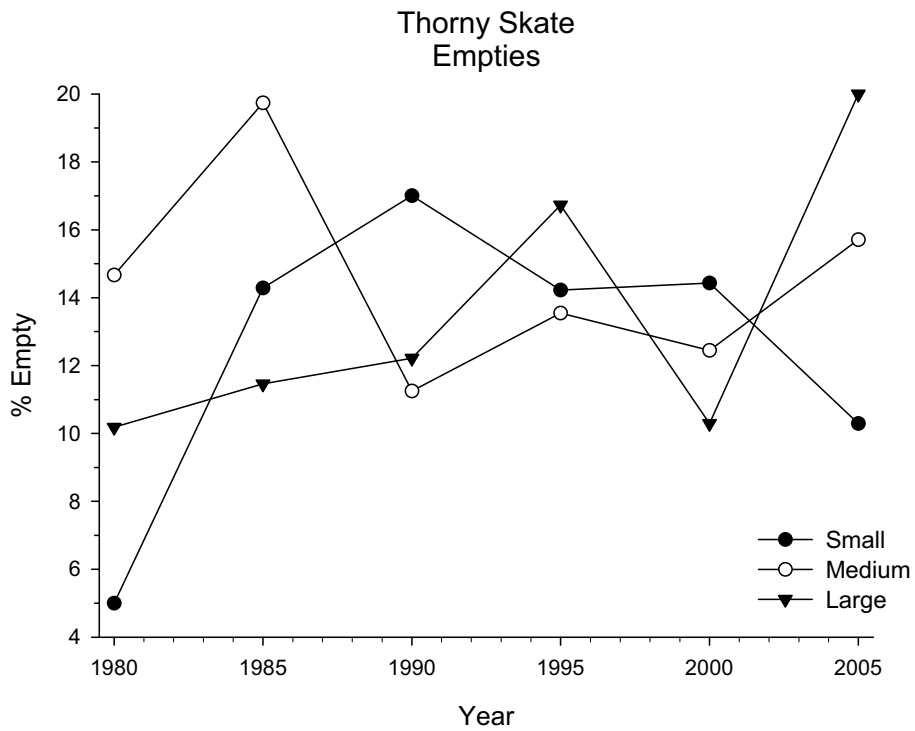


Figure B6.23b. The percentage of stomachs that were empty (i.e., containing no prey) of Thorny skate for the strata set and time period noted. Each size class is noted

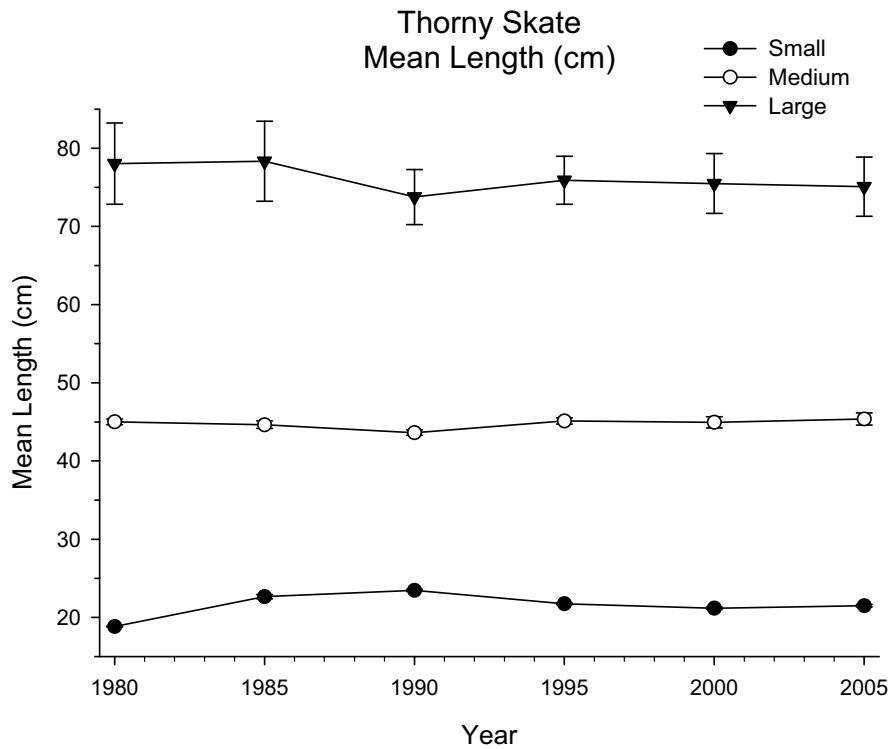


Figure B6.24a. The mean length (1 cm) of Thorny skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

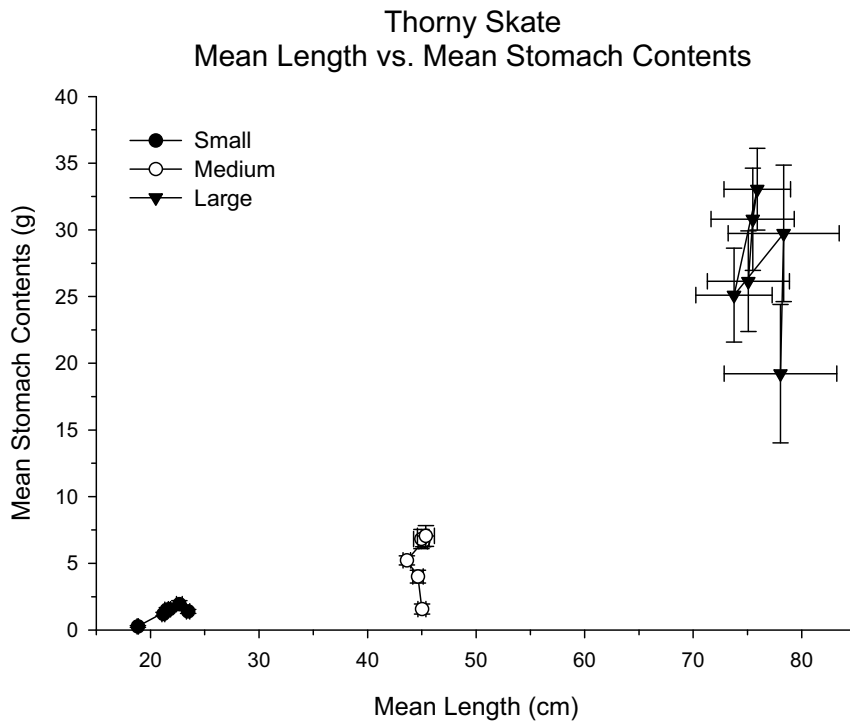


Figure B6.24b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Thorny skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.



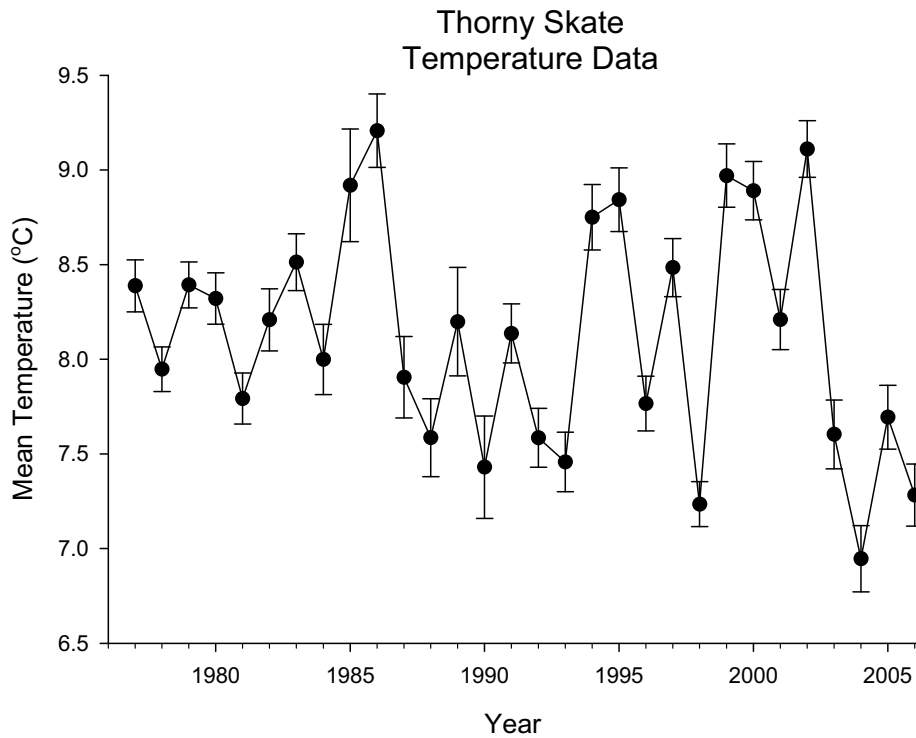


Figure B6.25a. The annual mean bottom temperature (0.1 °C) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

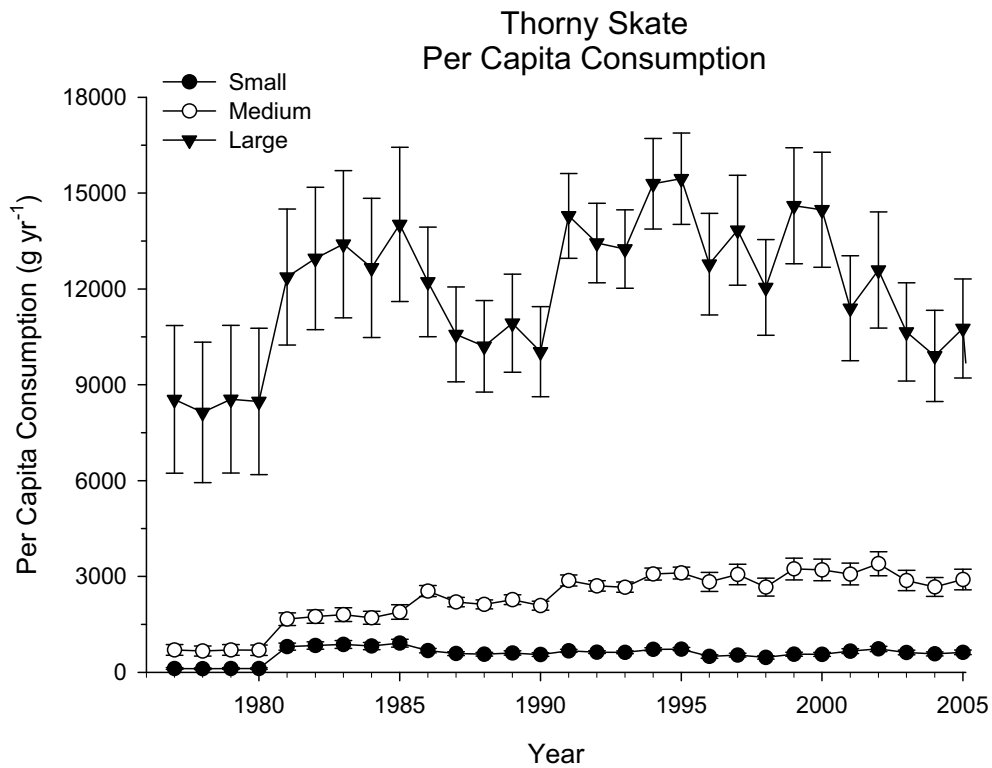


Figure B6.25b. The annual per capita consumption (g yr<sup>-1</sup>) of Thorny skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

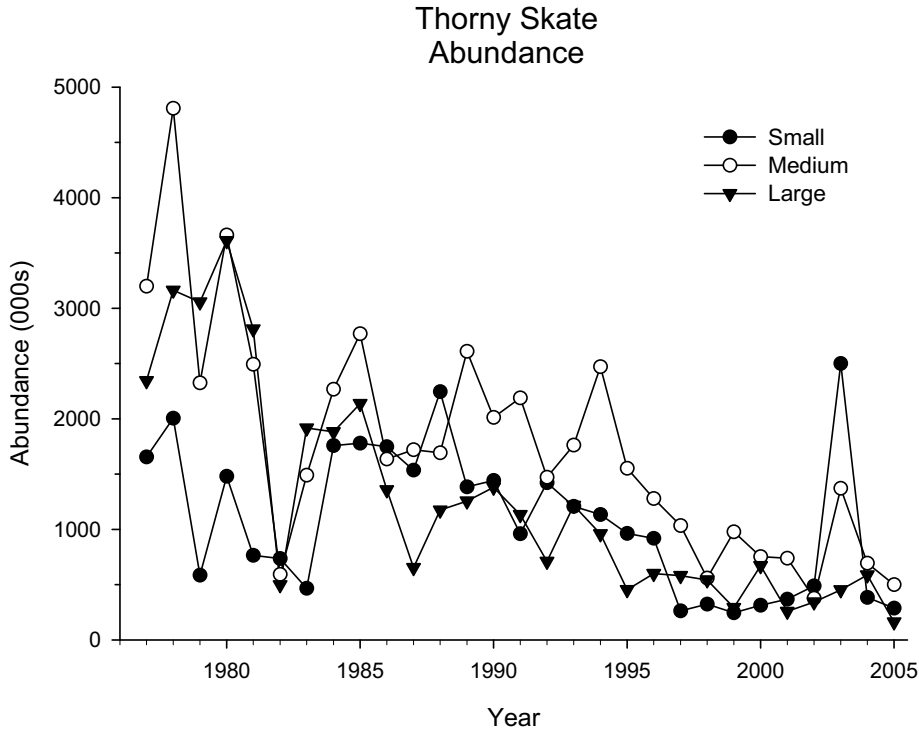


Figure B6.26a. The annual mean swept area abundance of Thorny skate for the strata set and time period noted. Each size class is noted.

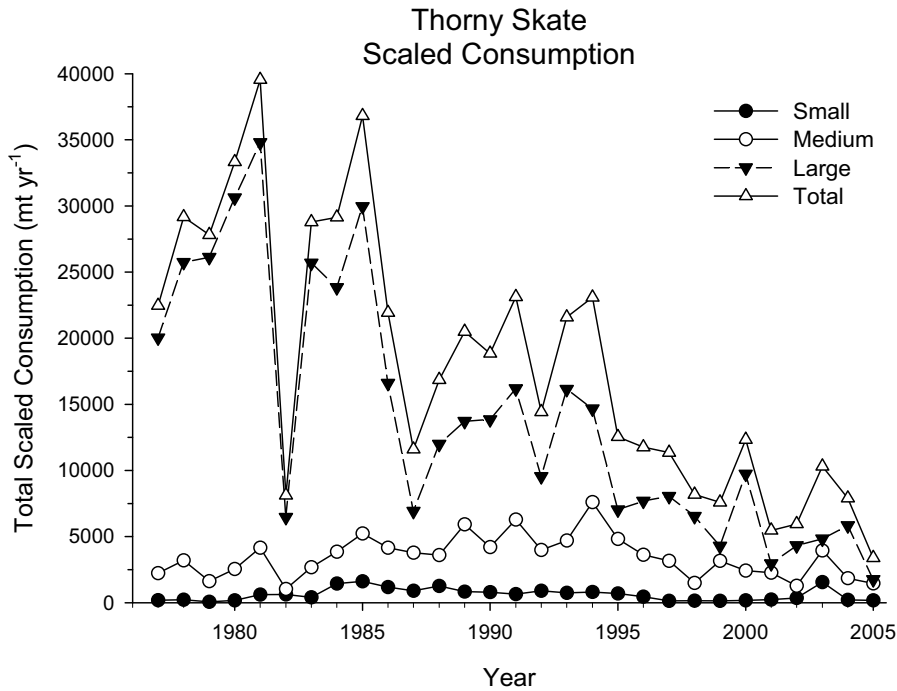


Figure B6.26b. The annual total consumption (MT yr<sup>-1</sup>) of Thorny skate for the strata set and time period noted.

### THORNY SKATE PREY REMOVAL

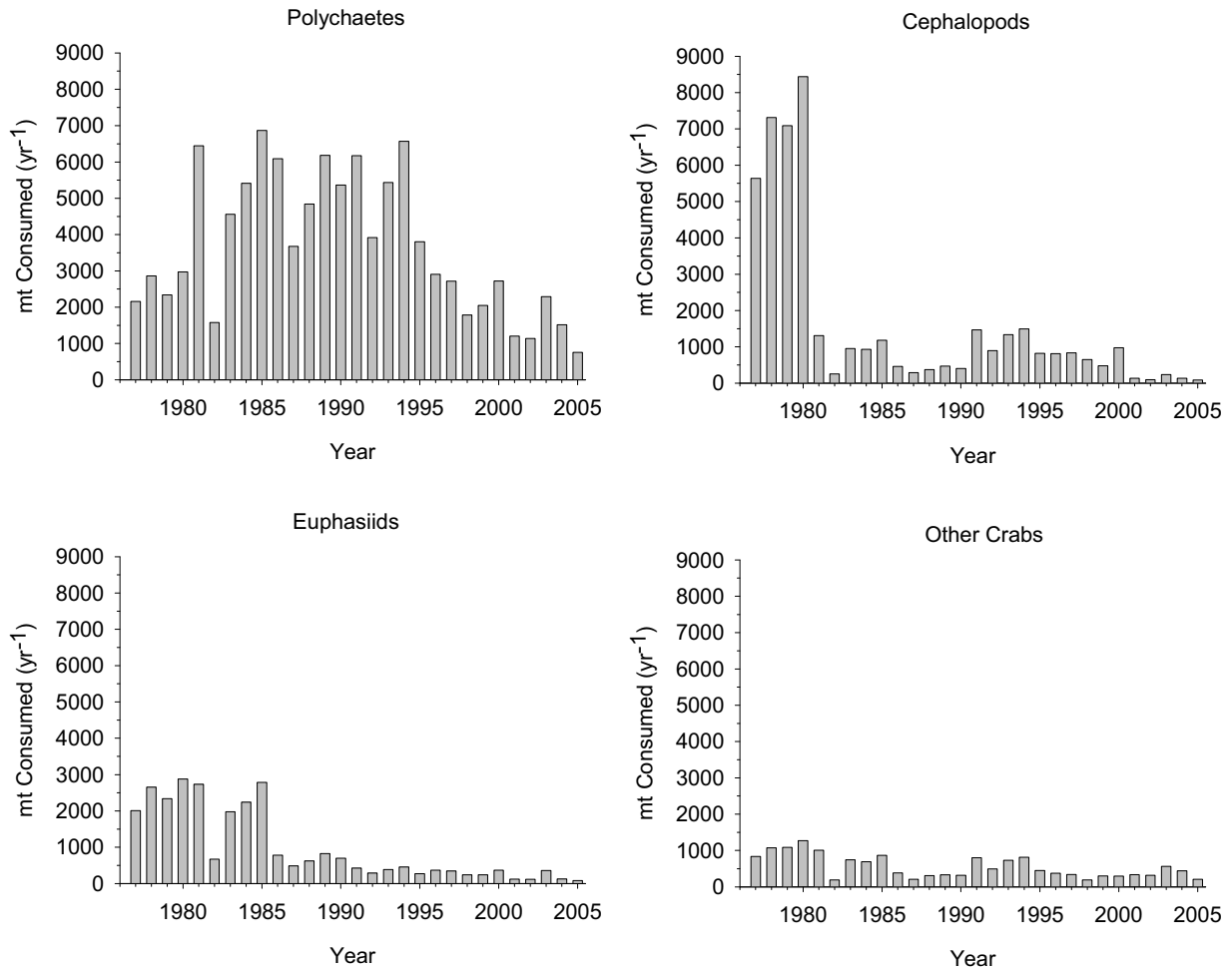


Figure B6.27. The amount of prey consumed (MT yr<sup>-1</sup>) by Thorny skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Thorny skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Thorny skate.

THORNY SKATE PREY REMOVAL

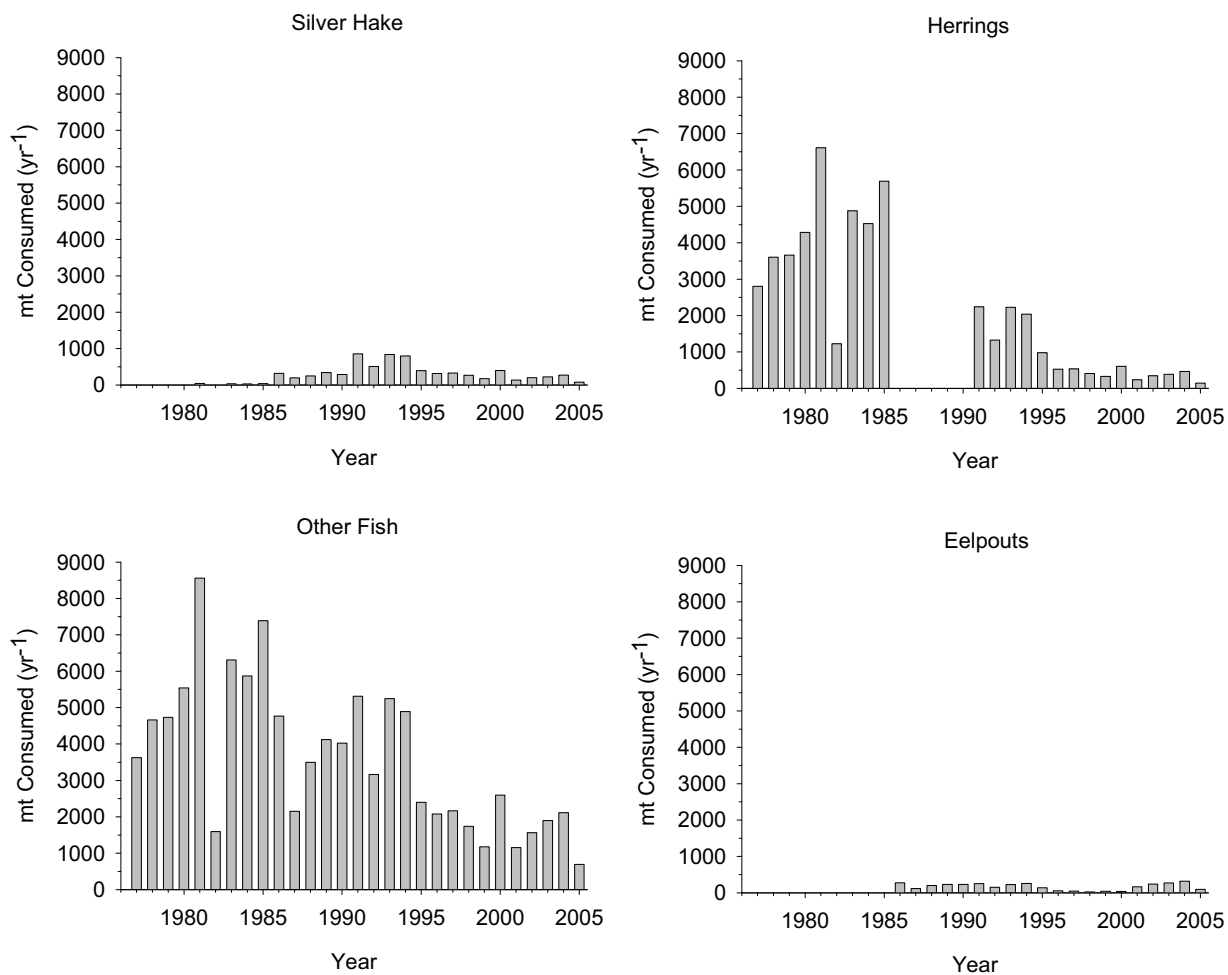


Figure B6.28. The amount of prey consumed (MT yr-1) by Thorny skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Thorny skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Thorny skate.

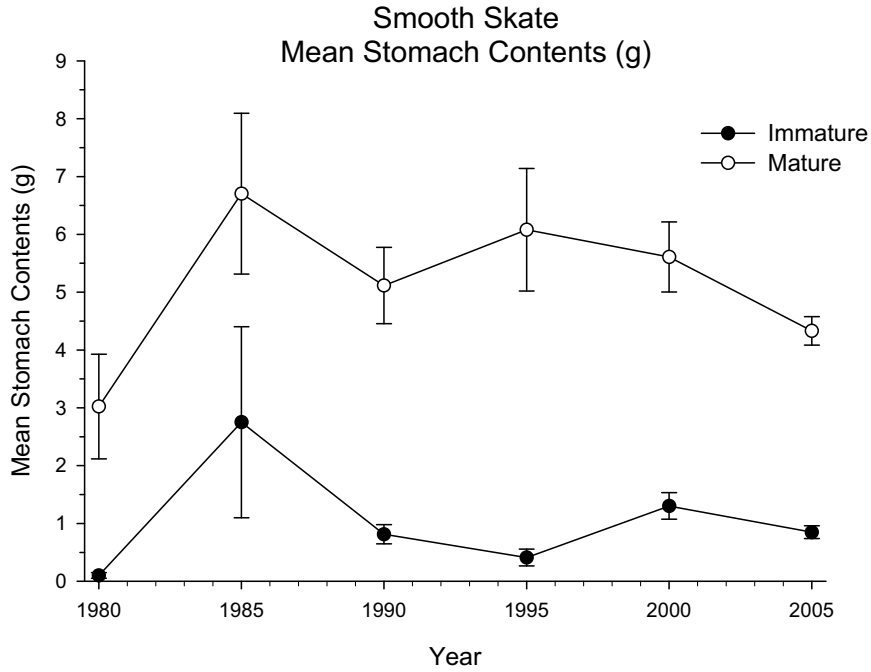


Figure B6.29a. The annual mean stomach contents (0.1 g) of Smooth skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

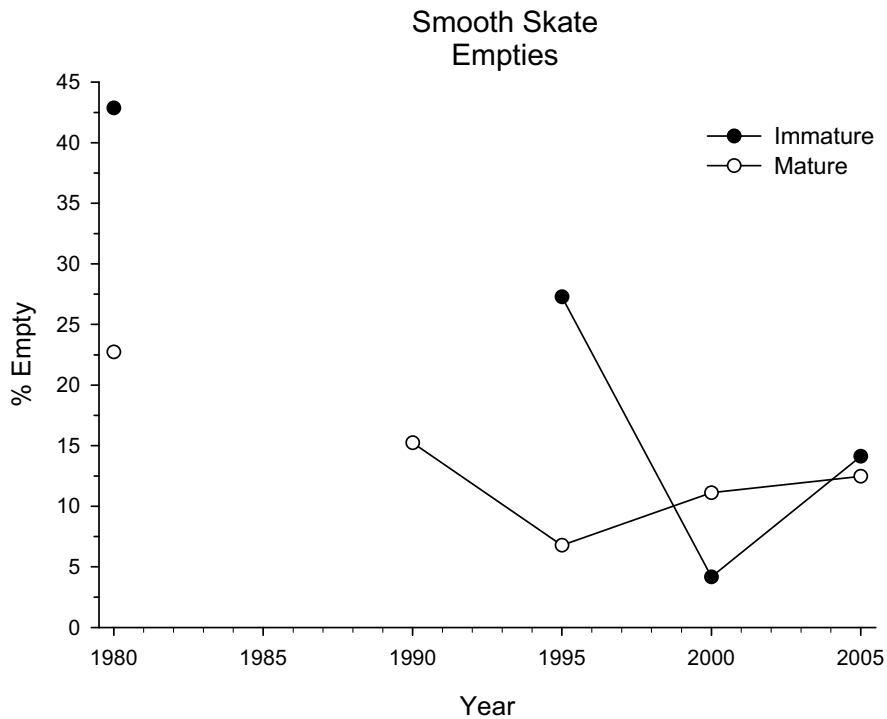


Figure B6.29b. The percentage of stomachs that were empty (i.e., containing no prey) of smooth skate for the strata set and time period noted. Each size class is noted

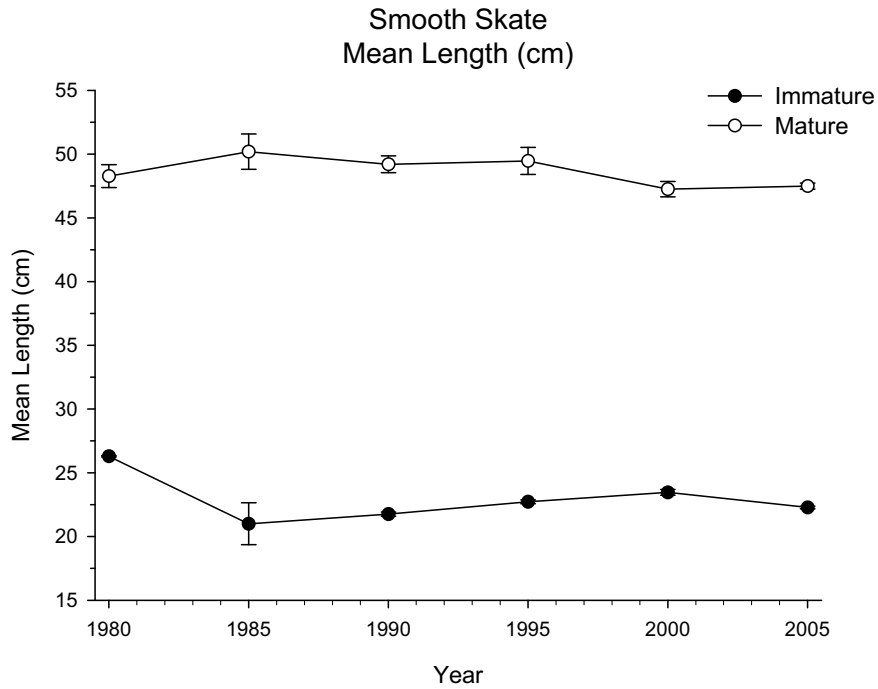


Figure B6.30a. The mean length (1 cm) of Smooth skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

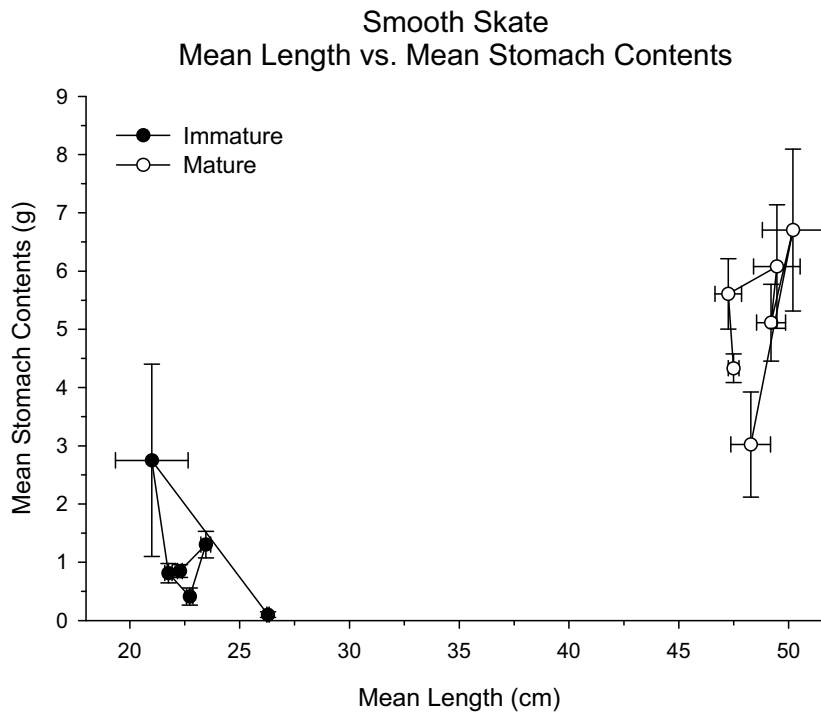


Figure B6.30b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Smooth skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

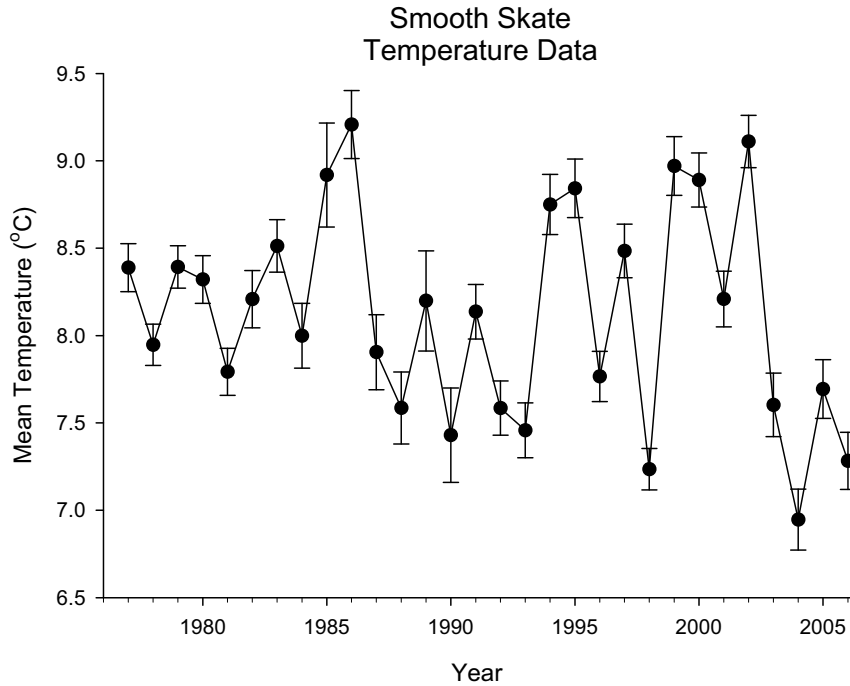


Figure B6.31a. The annual mean bottom temperature (0.1 °C) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

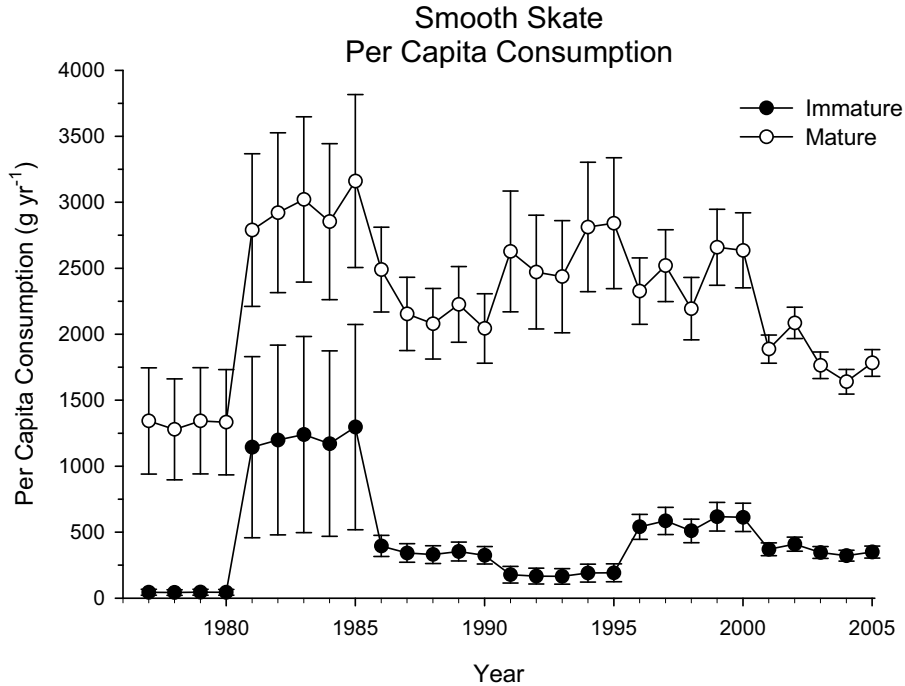


Figure B6.31b. The annual per capita consumption (g yr<sup>-1</sup>) of Smooth skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

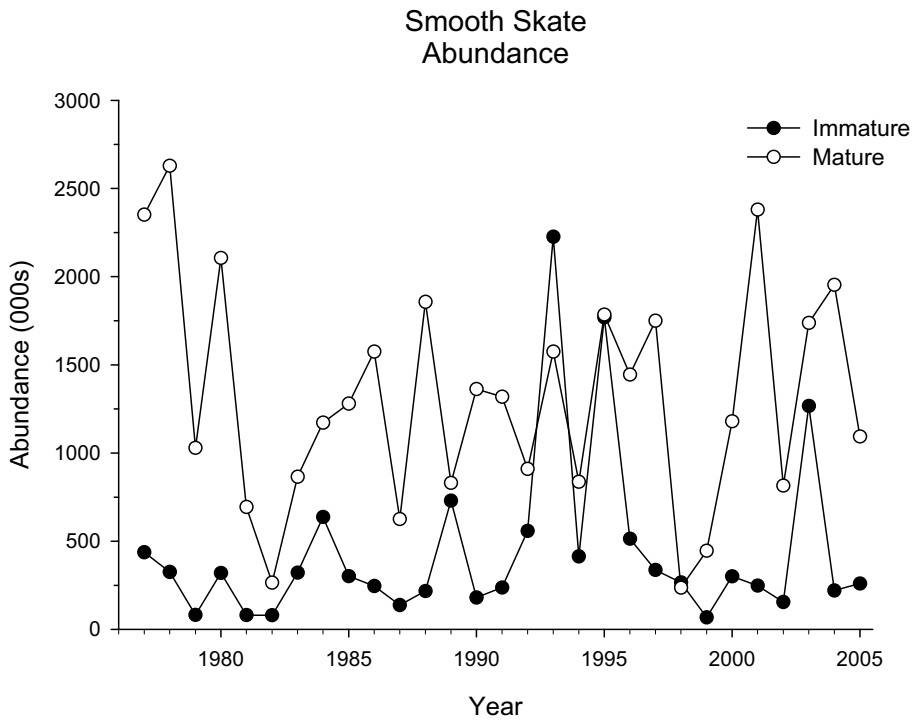


Figure B6.32a. The annual mean swept area abundance of Smooth skate for the strata set and time period noted. Each size class is noted.

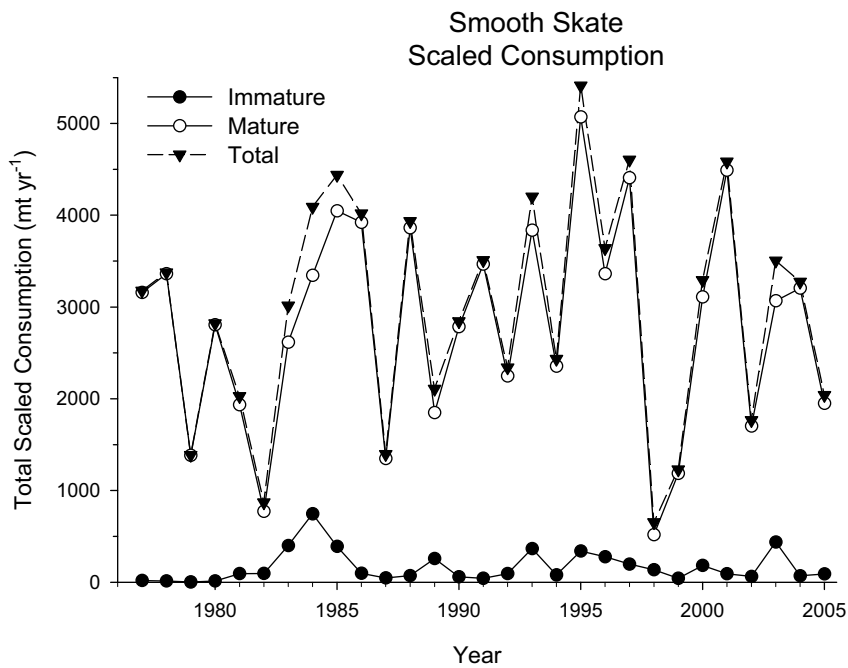


Figure B6.32b. The annual total consumption (MT yr<sup>-1</sup>) of Smooth skate for the strata set and time period noted.



SMOOTH SKATE PREY REMOVAL

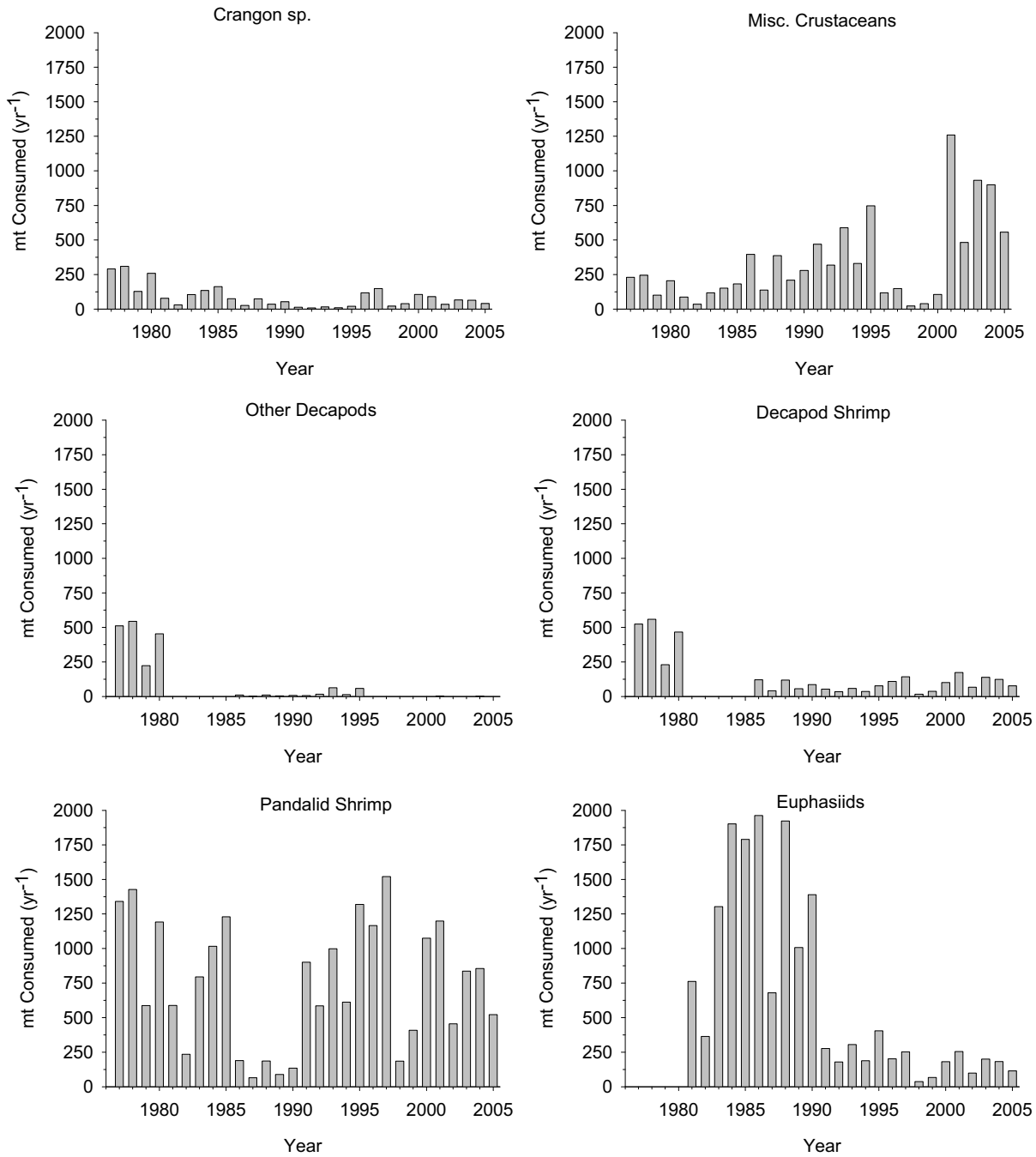


Figure B6.33. The amount of prey consumed (MT yr<sup>-1</sup>) by Smooth skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Smooth skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Smooth skate.

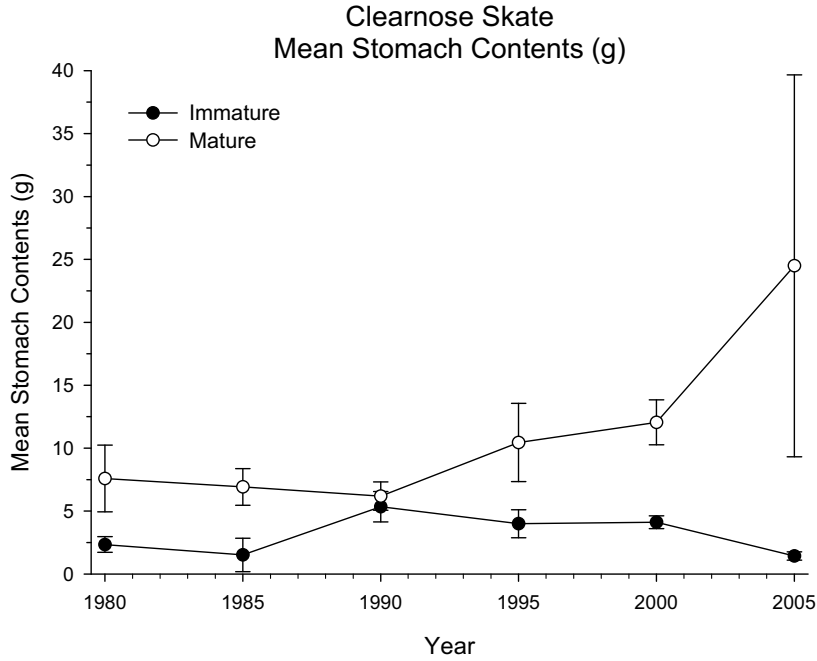


Figure B6.34a. The annual mean stomach contents (0.1 g) of Clearnose skate for the strata and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

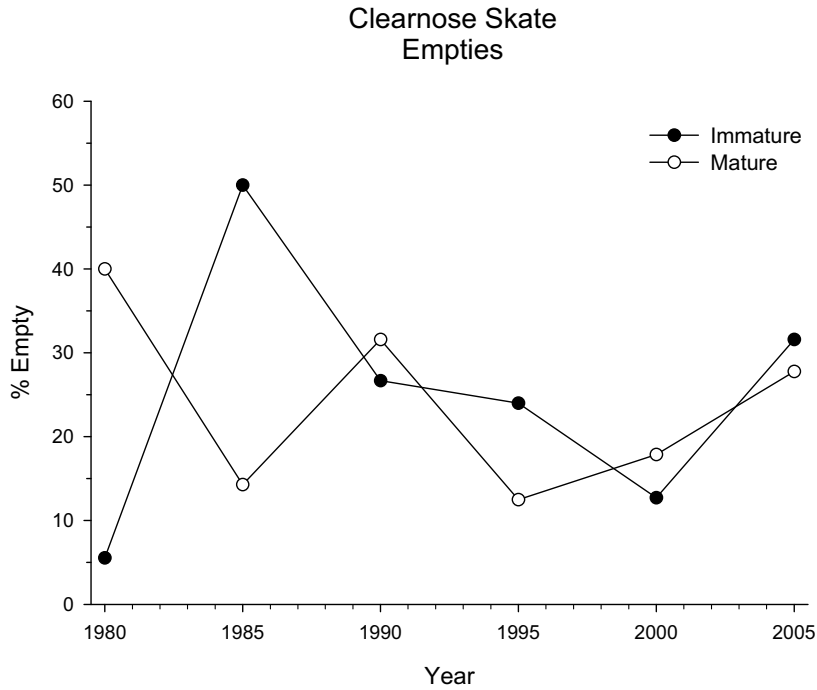


Figure B6.34b. The percentage of stomachs that were empty (i.e., containing no prey) of Clearnose skate for the strata set and time period noted. Each size class is noted.

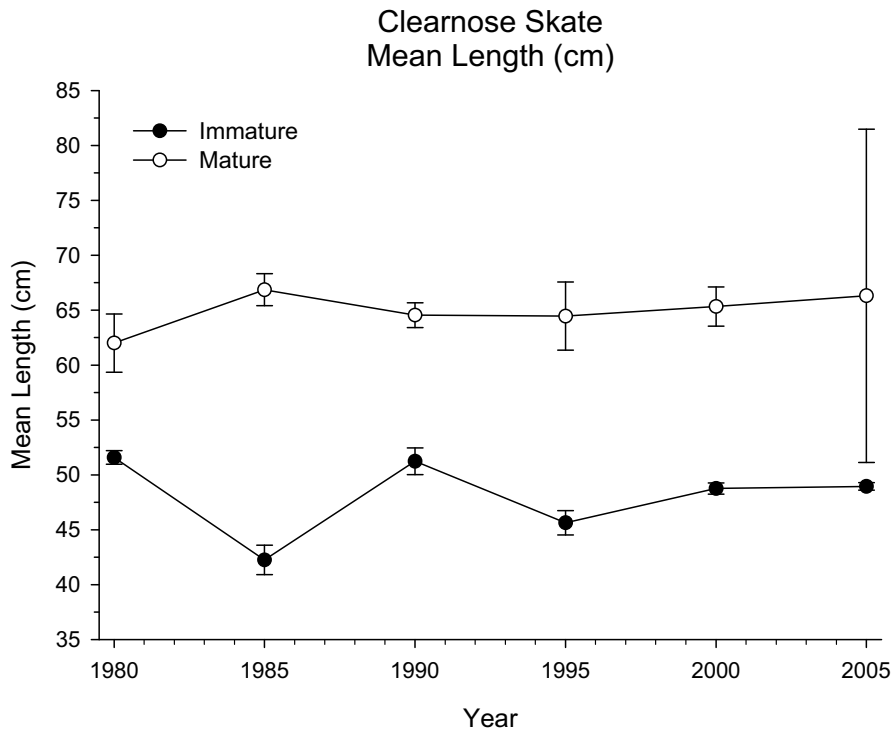


Figure B6.35a. The mean length (1 cm) of Clearnose skate from which stomach sample were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

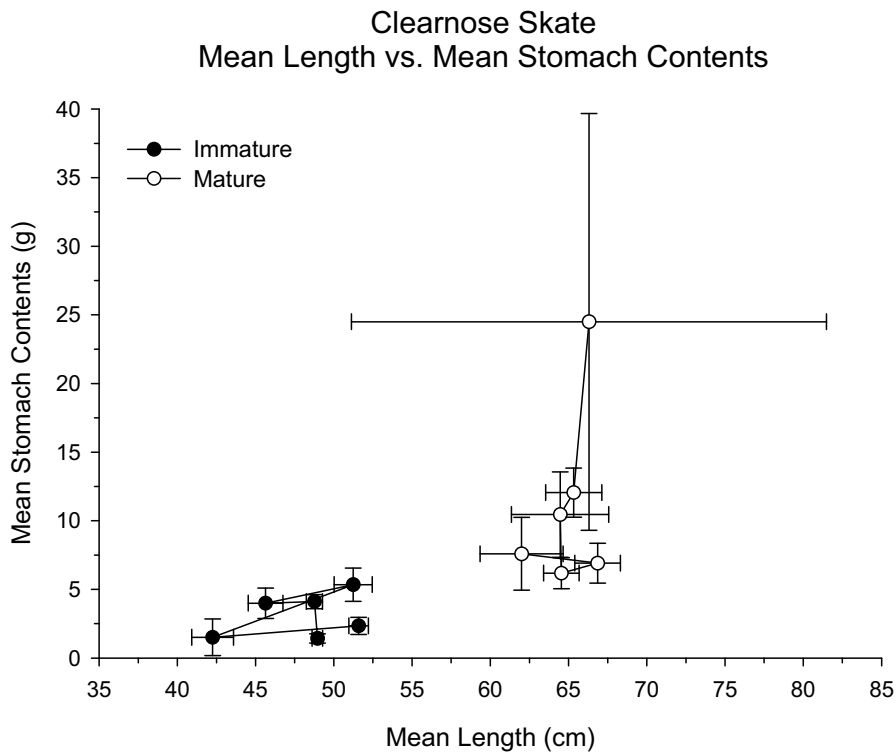


Figure B6.35b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Clearnose skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

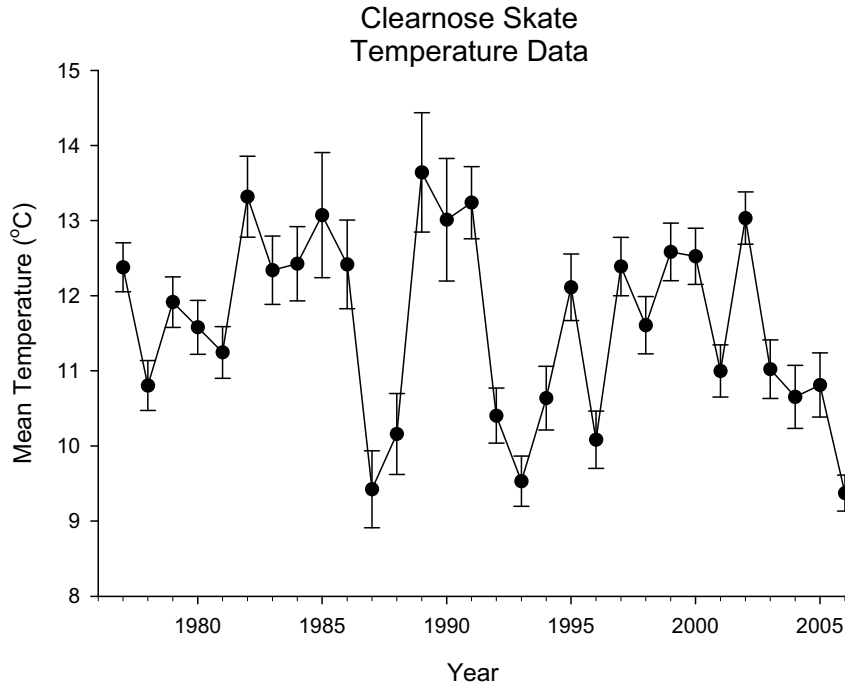


Figure B6.36a. The annual mean bottom temperature ( $0.1\text{ }^{\circ}\text{C}$ ) for the selected strata set as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

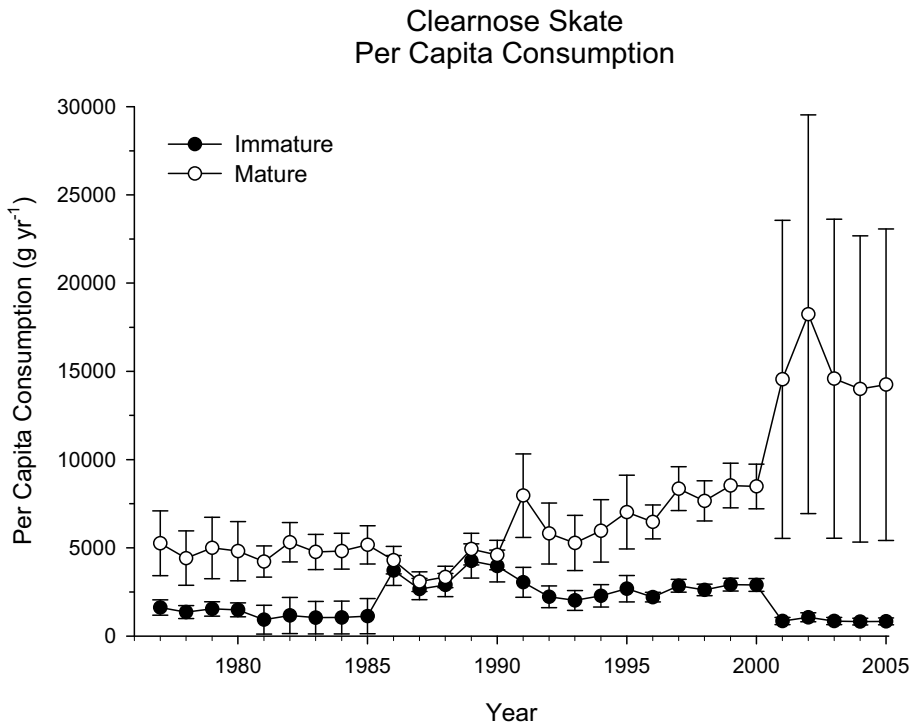


Figure B6.36b. The annual per capita consumption ( $\text{g yr}^{-1}$ ) of Clearnose skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

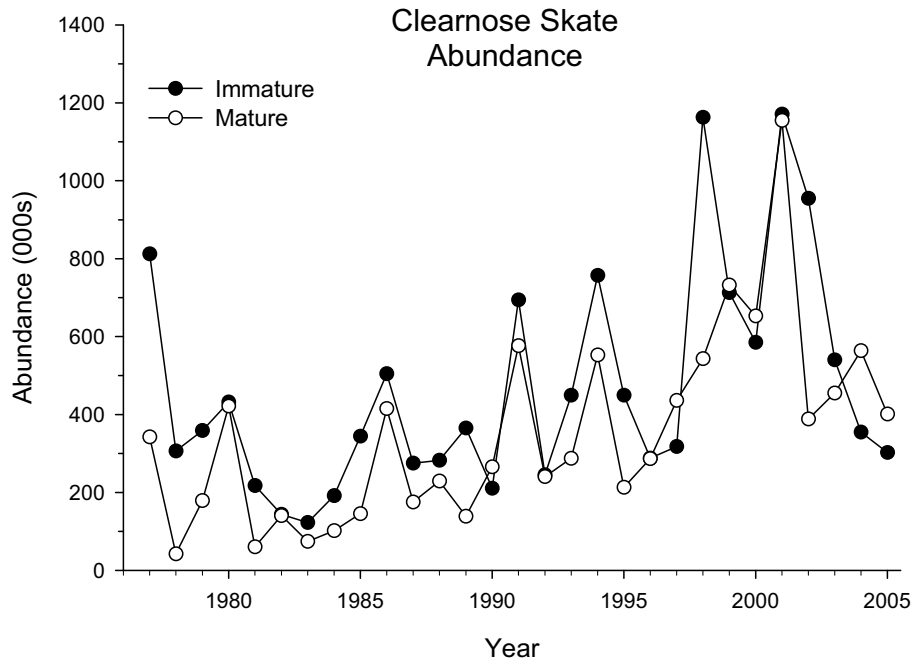


Figure B6.37a. The annual mean swept area abundance of Clearnose skate for the strata set and time period noted. Each size class is noted.

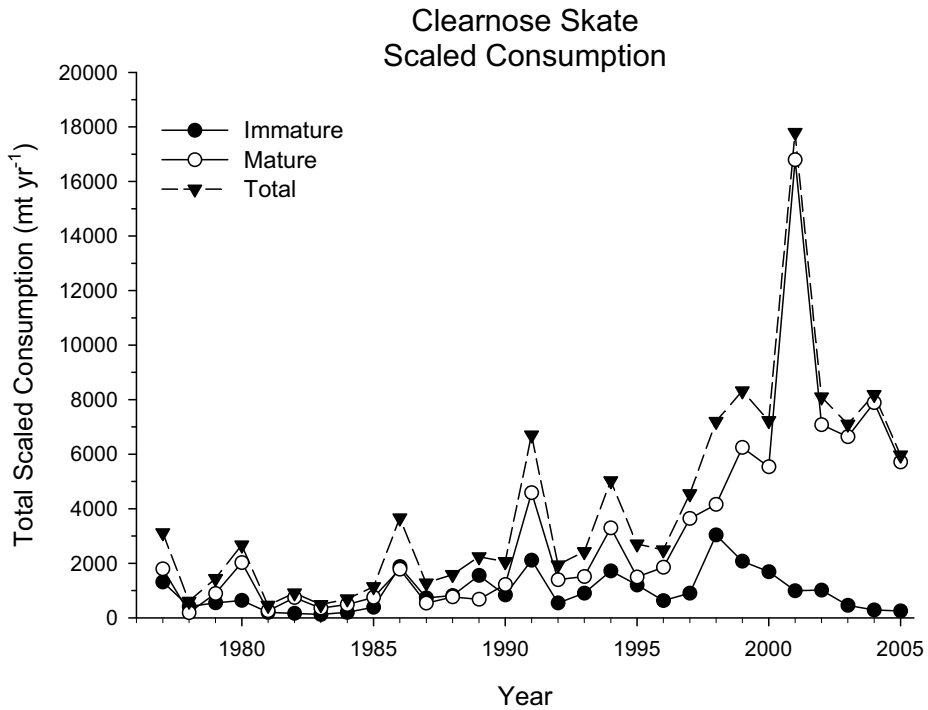


Figure B6.37b. The annual total consumption (MT yr<sup>-1</sup>) of Clearnose skate for the strata set and time period noted.

CLEARNOSE SKATE PREY REMOVAL

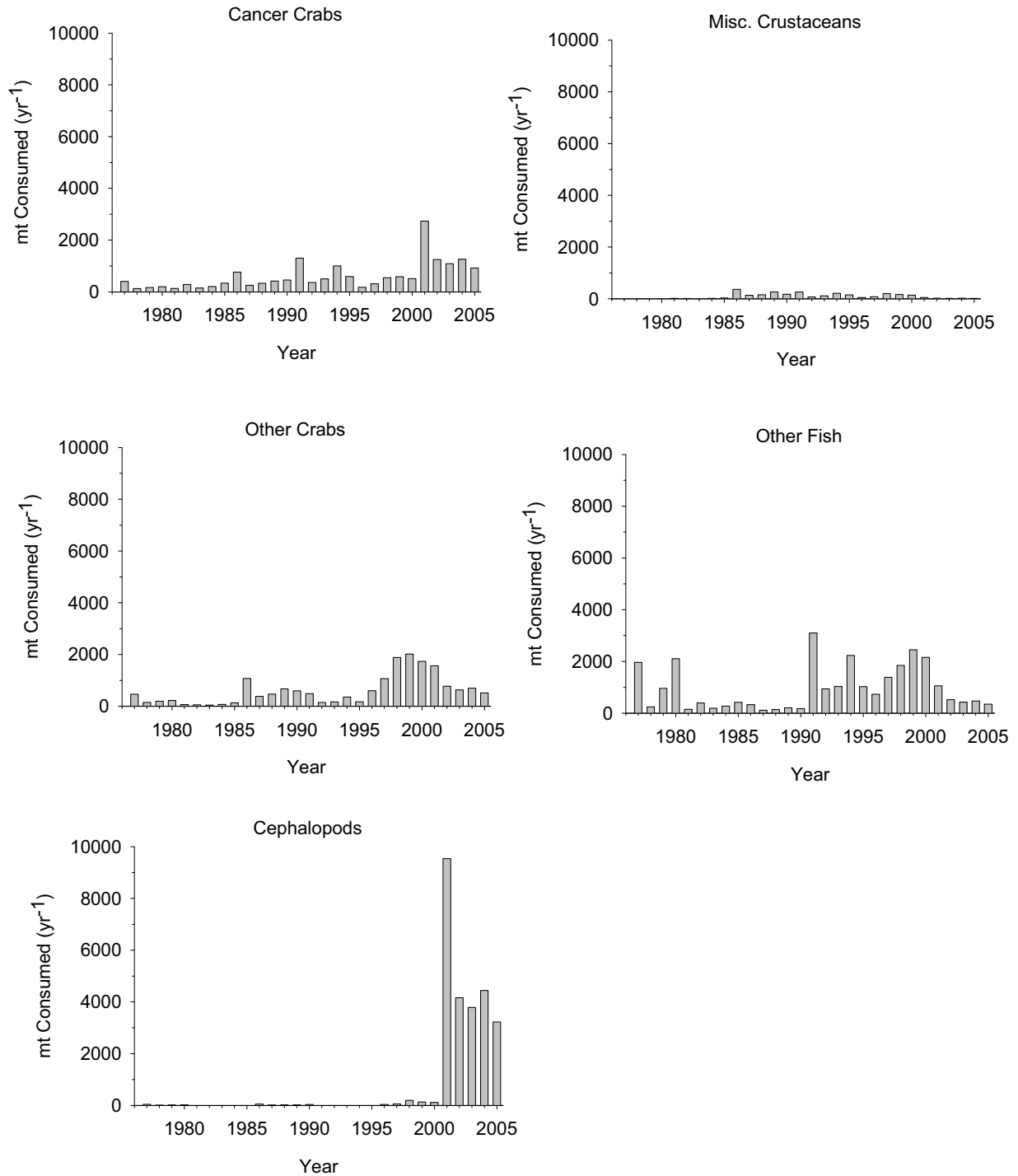


Figure B6.38. The amount of prey consumed (MT yr-1) by Clearnose skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Clearnose skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Clearnose skate.

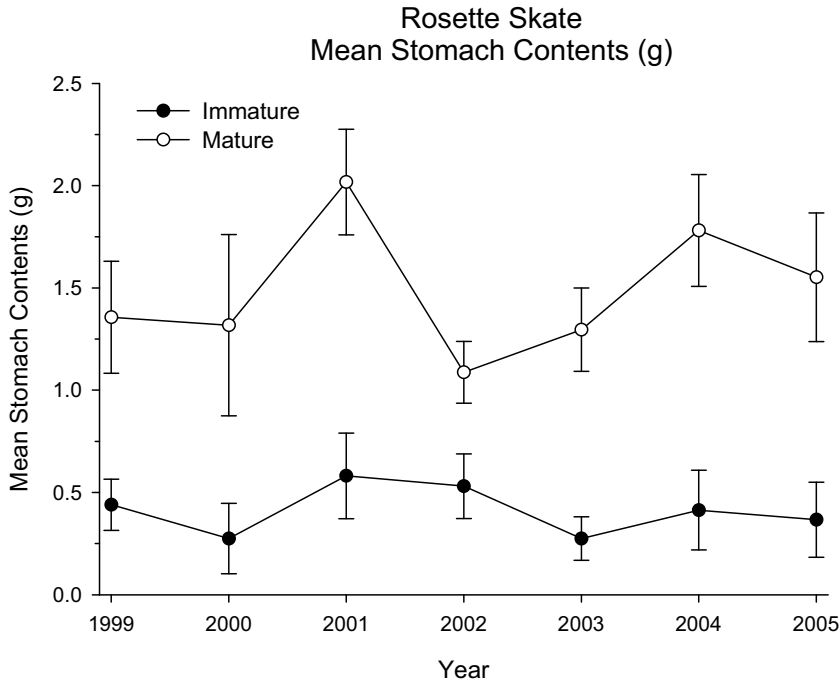


Figure B6.39a. The annual mean stomach contents (0.1 g) of Rosette skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

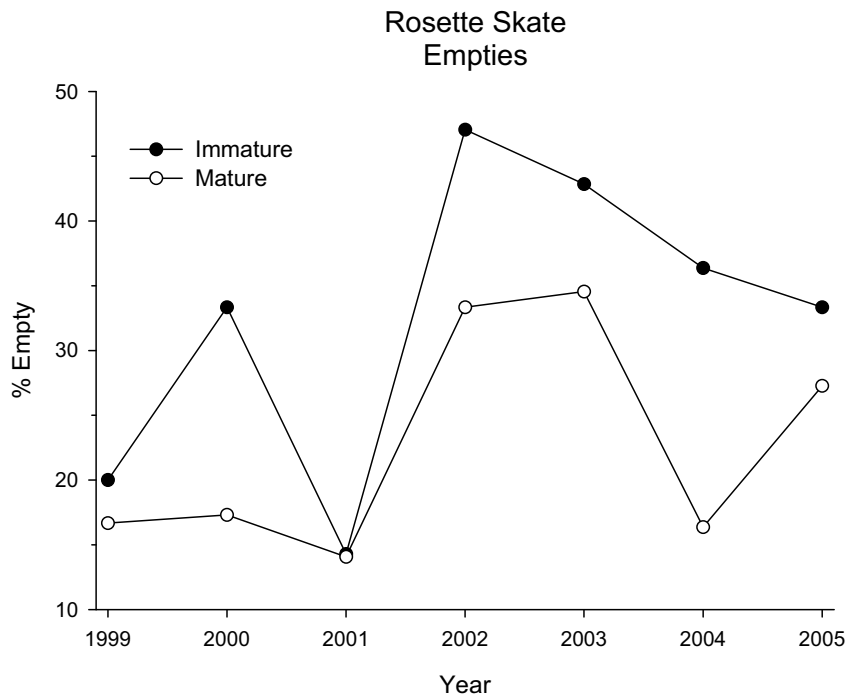


Figure B6.39b. The percentage of stomachs that were empty (i.e., containing no prey) of Rosette skate for the strata set and time period noted. Each size class is noted

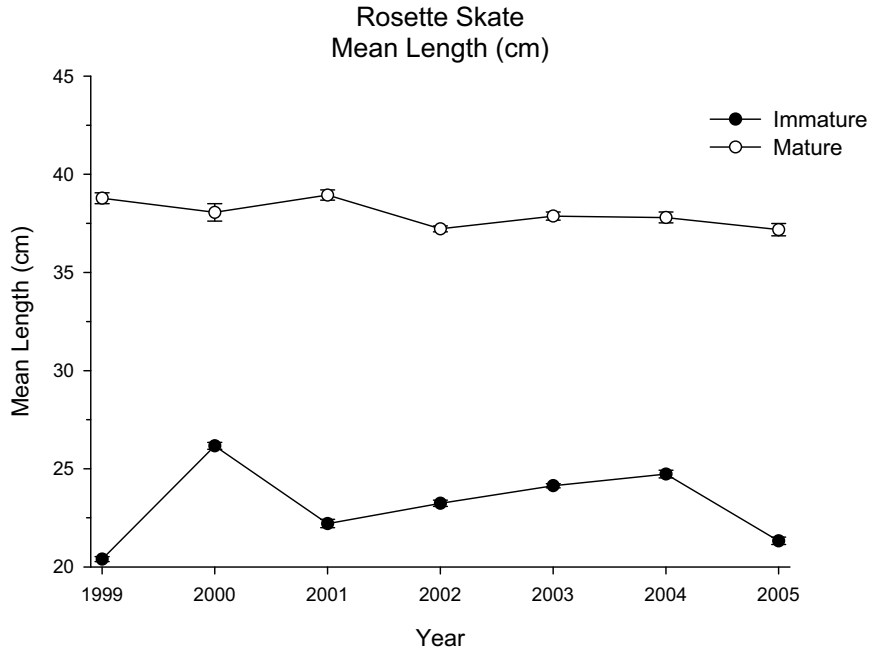


Figure B6.40a. The mean length (1 cm) of Rosette skate from which stomach samples were collected, for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

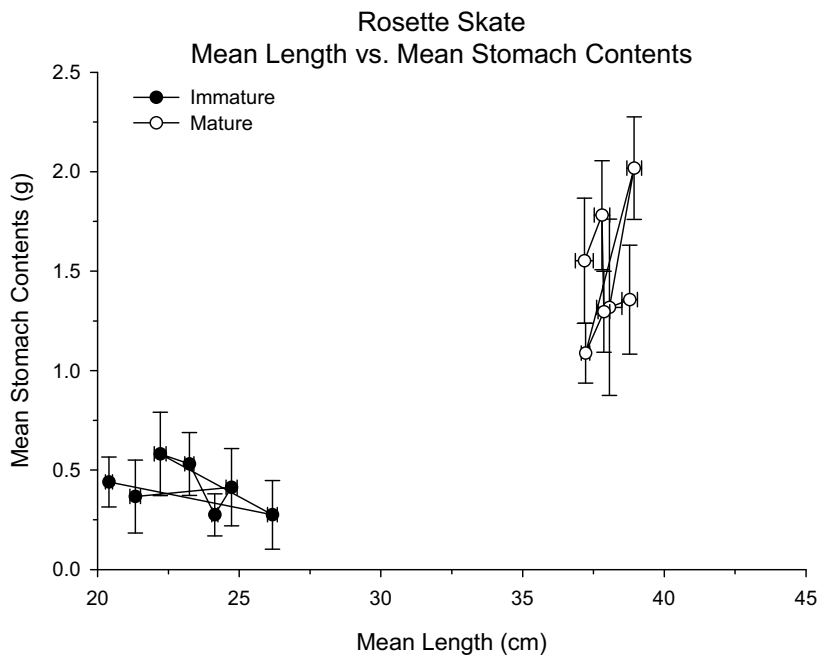


Figure B6.40b. The annual mean stomach contents (0.1 g) and the mean length (1 cm) of Rosette skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.



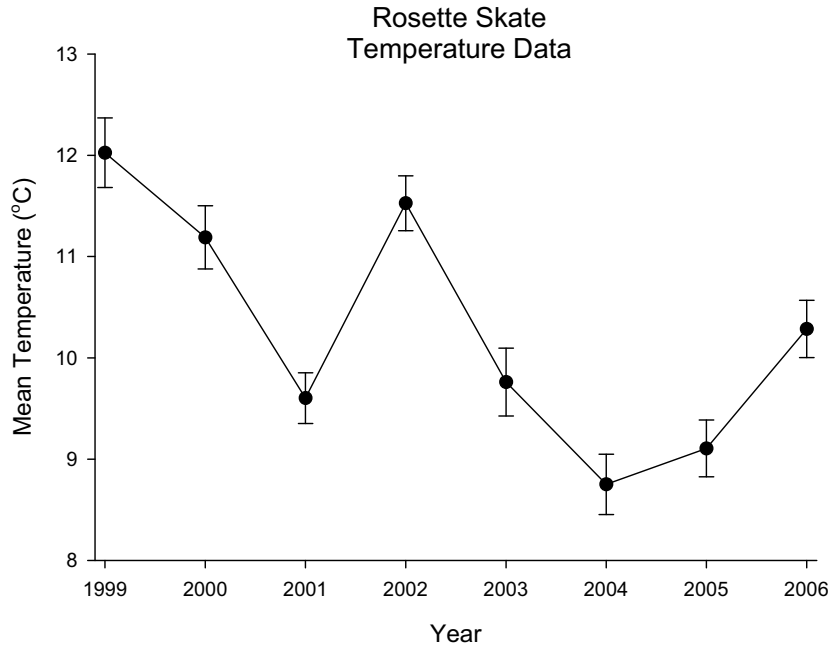


Figure B6.41a. The annual mean bottom temperature (0.1 °C) for the selected strata set, as taken from the bottom trawl survey over the time period noted. Error bars are  $\pm 1$  S.E.

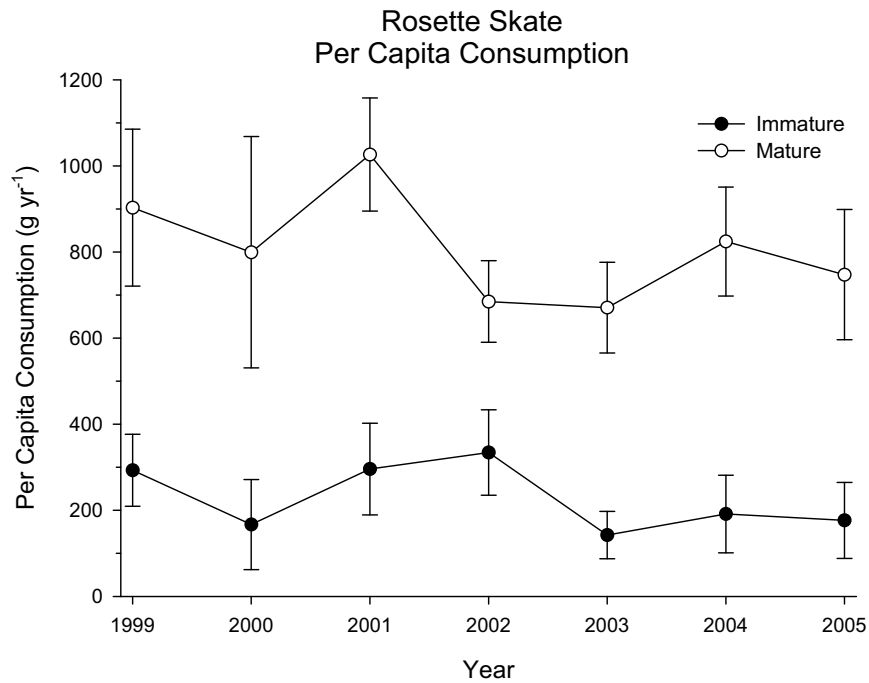


Figure B6.41b. The annual per capita consumption (g yr<sup>-1</sup>) of Rosette skate for the strata set and time period noted. Each size class is noted. Error bars are  $\pm 1$  S.E.

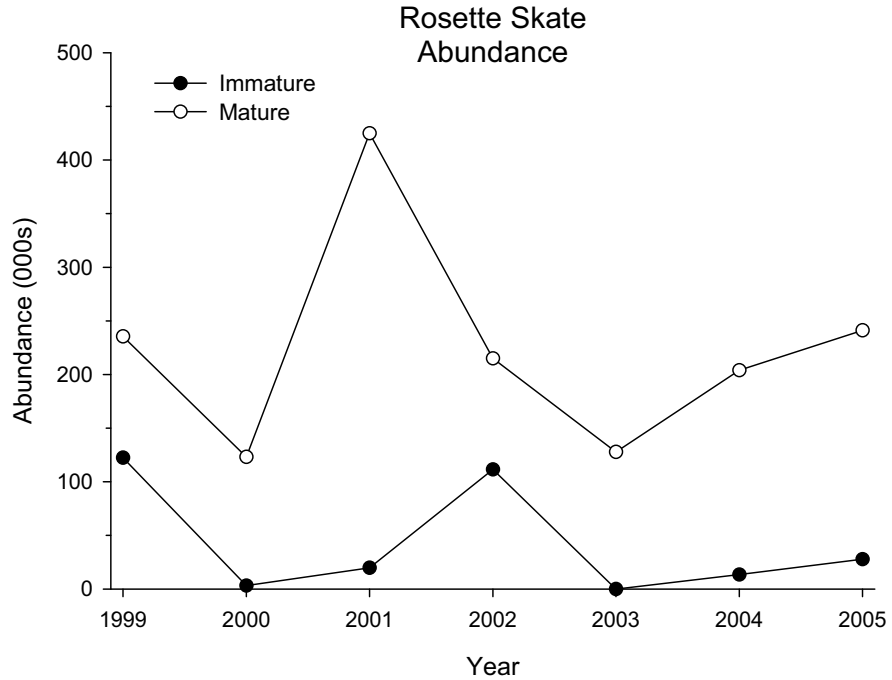


Figure B6.42a. The annual mean swept area abundance of Rosette skate for the strata set and time period noted. Each size class is noted.

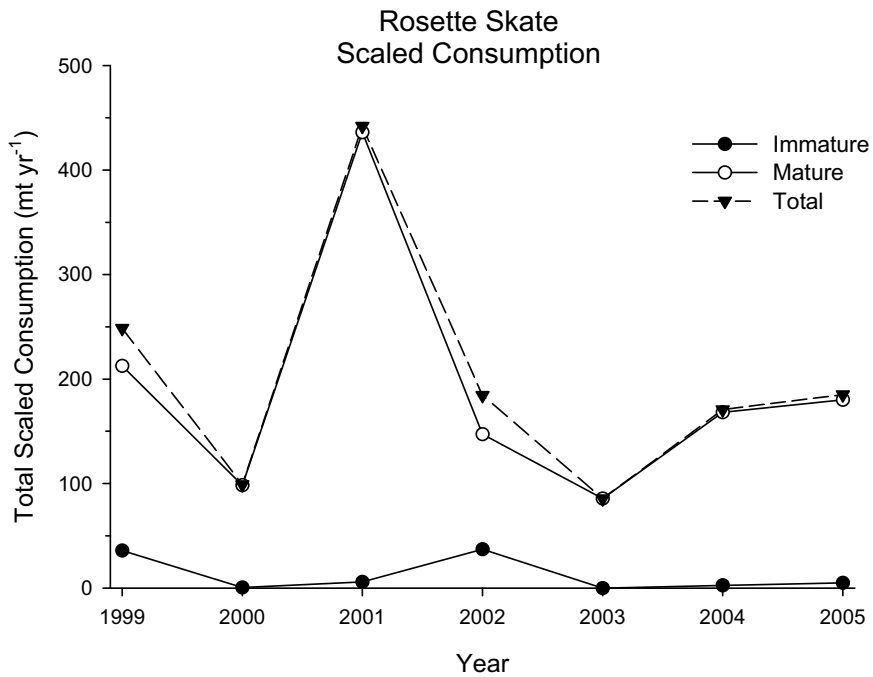


Figure B6.42b. The annual total consumption (MT yr<sup>-1</sup>) of Rosette skate for the strata set and time period noted.

ROSETTE SKATE PREY REMOVAL

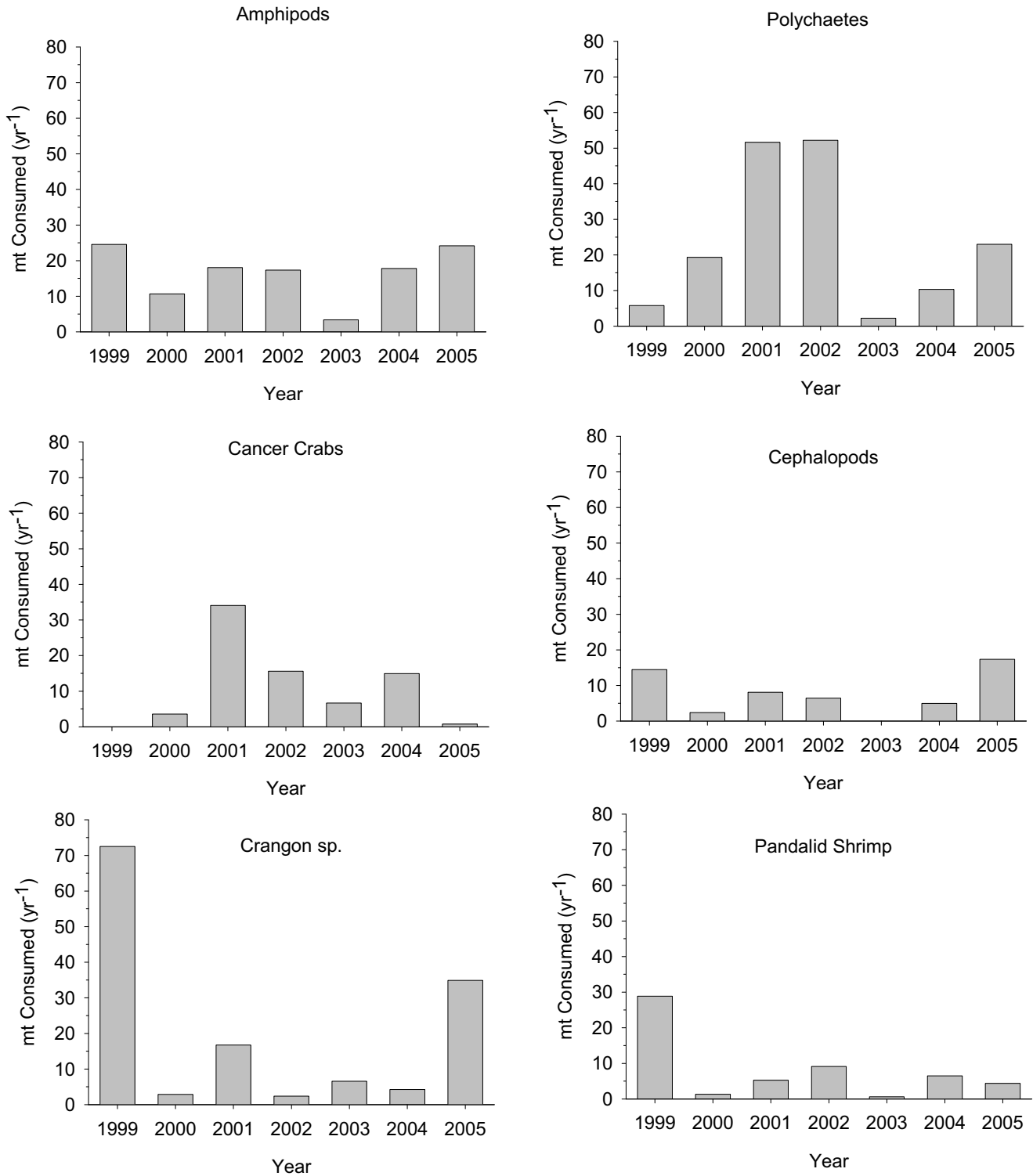


Figure B6.43. The amount of prey consumed (MT yr<sup>-1</sup>) by Rosette skate for the strata set and time period noted. These estimates represent the combination of total annual total consumption and the diet compositions of Rosette skate. These prey were selected as some of the major prey (>>5 % of diet composition) of Rosette skate.

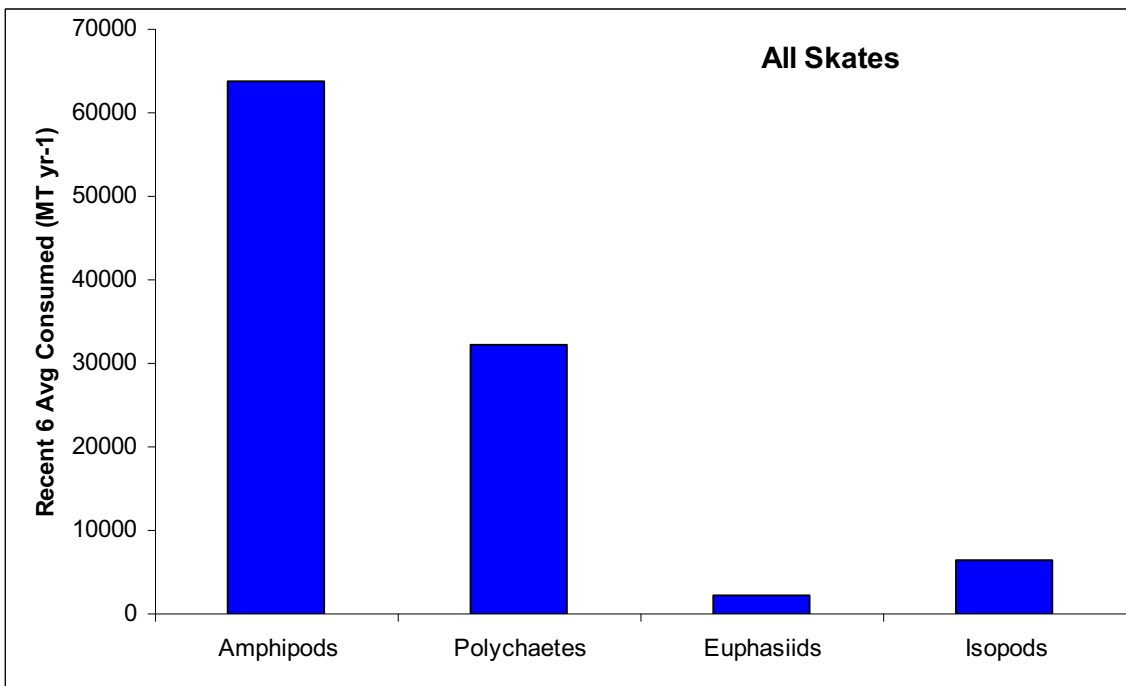
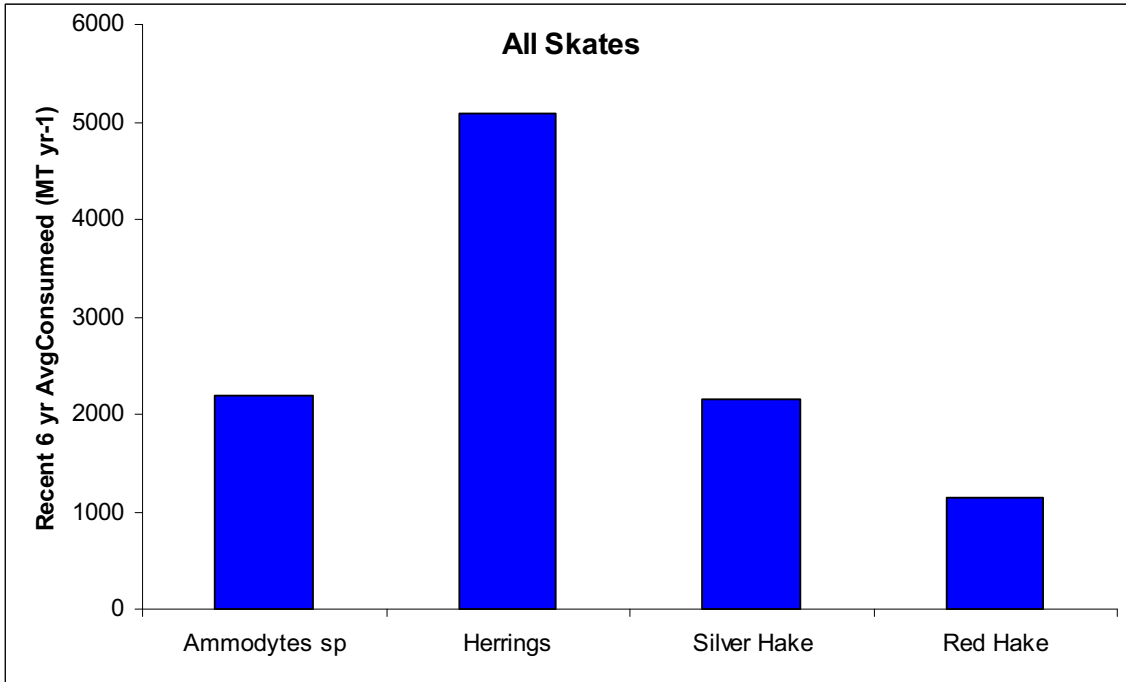


Figure B6.44. Average amount of major prey consumed by all skates from 2000-2005. A. fish prey. B. invertebrate prey.