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**RESULTS OF THE
1993 NMFS BERING SEA CRAB SURVEY**

EXECUTIVE SUMMARY

by

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RESULTS OF THE 1993 NMFS BERING SEA CRAB SURVEY EXECUTIVE SUMMARY

This document summarizes data presented in the NMFS Processed Report "Report to Industry on the 1993 Eastern Bering Sea Crab Survey". For further information, contact Dr. Bradley G. Stevens or Dr. Robert Otto, NMFS, P.O. Box 1638, Kodiak, AK 99615. Phone (907) 487-4961. GHL = Guideline Harvest Level.

Red king crab (*Paralithodes camtschatica*) Bristol Bay.

Legal males: 7.3 million crabs; up 49%.
Pre-recruits: 100% increase.
Large Females: 28% increase.
Outlook: Increased estimates are largely due to concentration of crabs at few stations, and may not reflect a real increase in population. Juveniles are at an all-time low and declining.
GHL: 16.8 million lbs.

Red king crab (*Paralithodes camtschatica*) Pribilofs District.

Legal males: 2.5 million crabs; up 212%.
Pre-recruits: No significant change.
Large Females: 112% increase.
Outlook: Increased estimates of legal crab reflect concentration at few stations, and should be viewed cautiously. Smaller crab are poorly estimated.
GHL: 3.4 million lbs.

Pribilof Islands blue king crab (*P. platypus*) Pribilof District.

Legal males: 1.0 million; No significant change.
Pre-recruits: 29% decrease.
Large Females: No significant change.
Outlook: Population low and stable. Trends not detectable.
GHL: Fishery closed for 1993.

St. Matthew blue king crab (*P. platypus*) Northern District.

Legal males: 3.6 million; 57% increase.
Pre-recruits: 36% increase.
Large Females: Not well estimated.
Outlook: Population high (Rank 2/16) with good recruitment for future.
GHL: 4.4 million lbs.

Tanner crab (*Chionoecetes bairdi*) Eastern District.

Legal males: 20.6 million; 50% decrease.
Pre-recruits: 38% decrease.
Large Females: 58% decrease.
Outlook: Population average, but declining as strong year class expires.
GHL: 19.7 million lbs.

Snow crab (C. opilio) All districts combined.

Large males: 135 million; 48% decrease.

Pre-recruits: 24% decrease.

Large Females: No significant change (decline offset by increased recruitment?).

Outlook: Large crab will continue to decline as strong year class expires, but strong recruitment of juveniles should reach fishery in 2-4 years.

GHL: 105.8 million lbs.

Hair crab (Erimacrus isenbeckii)

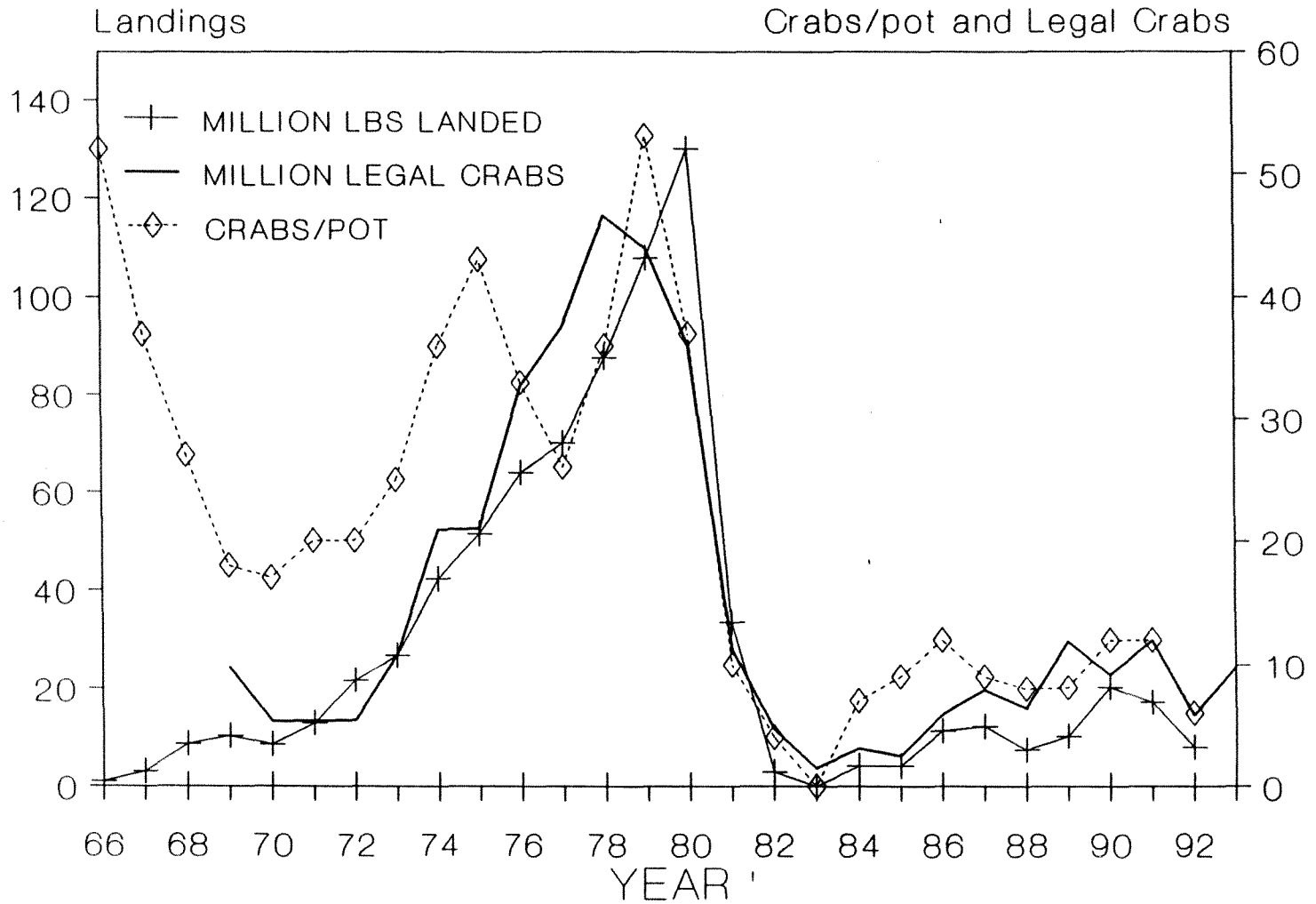
Total males: 11.8 million; 194% increase.

Large Females: 168% increase.

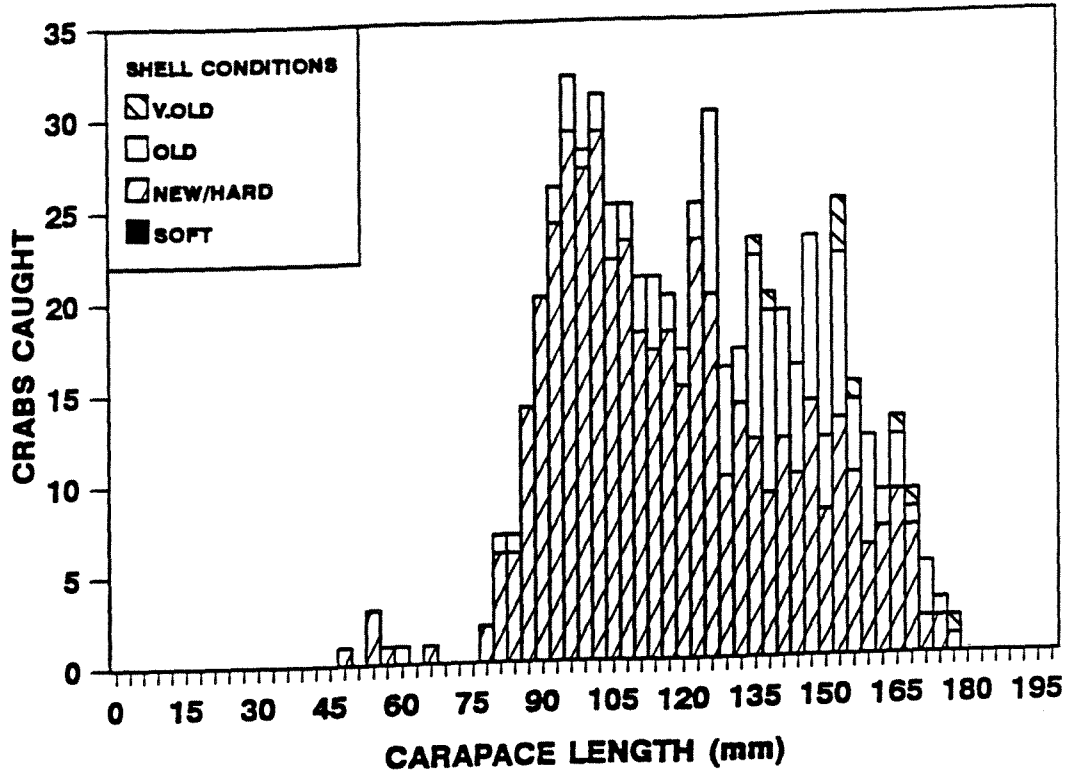
Outlook: Population increase probably reflects poor assessment in recent years, but is consistent with recruitment indices over last 5 years.

GHL: Pribilofs: 2.5 million lbs.
Bristol Bay: 0.5 million lbs.

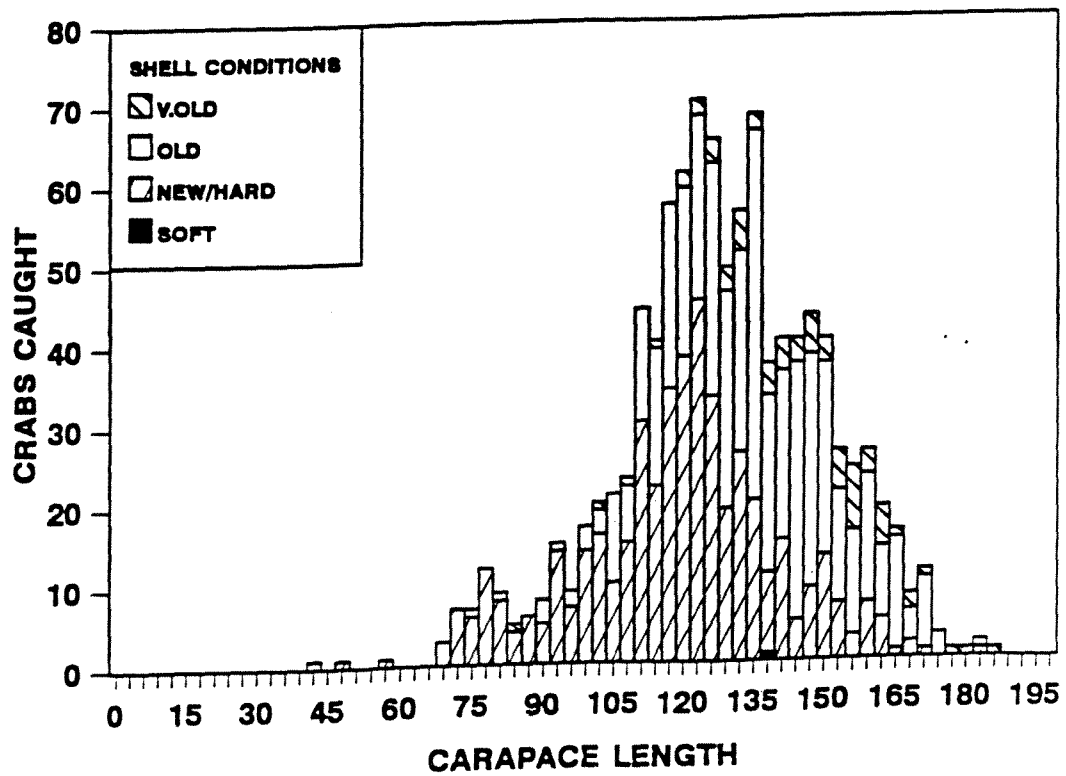
Red King Crab, Bristol Bay & Pribilofs



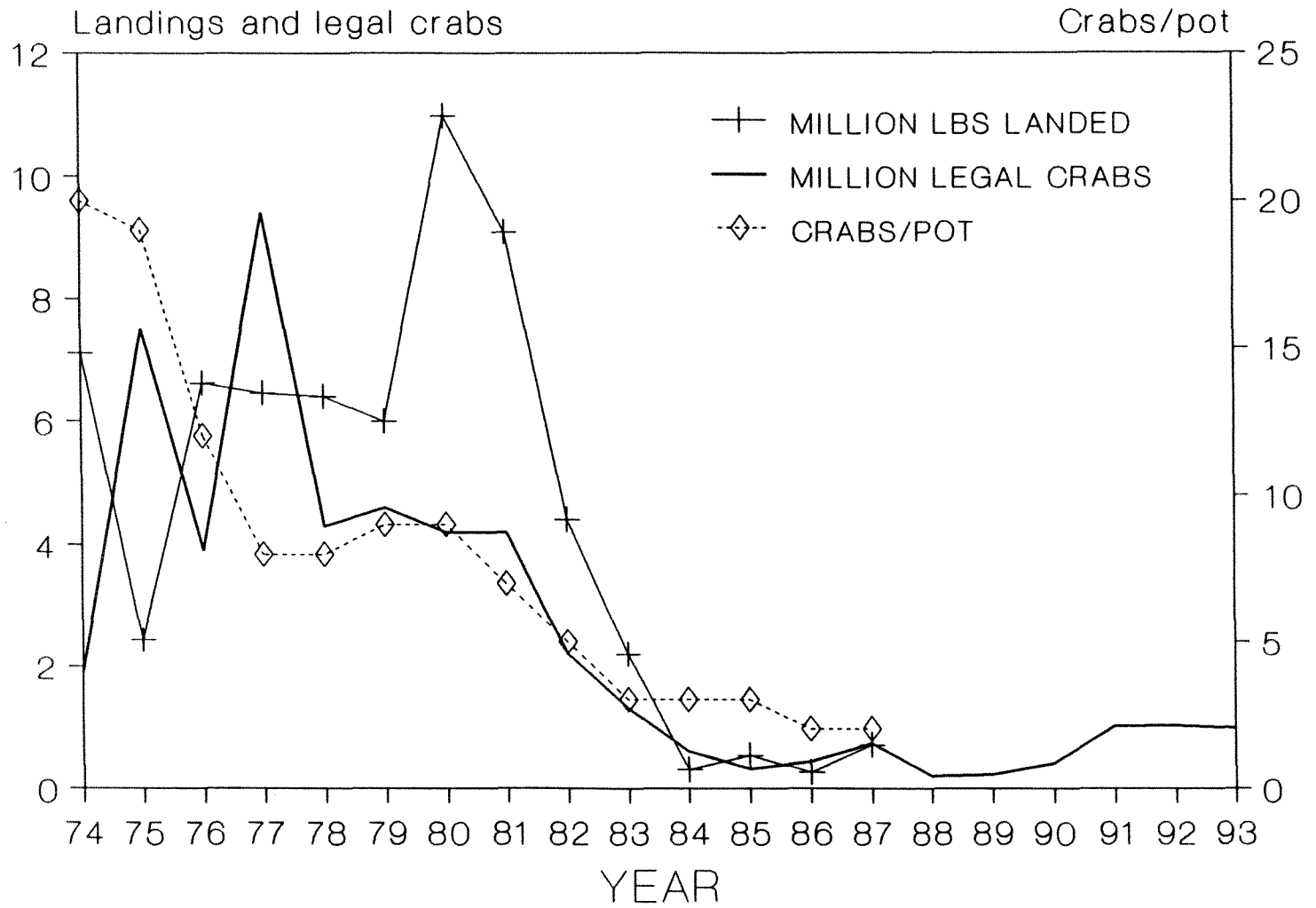
1992 BBAY RED KING CRAB MALES BY 3 mm INTERVALS



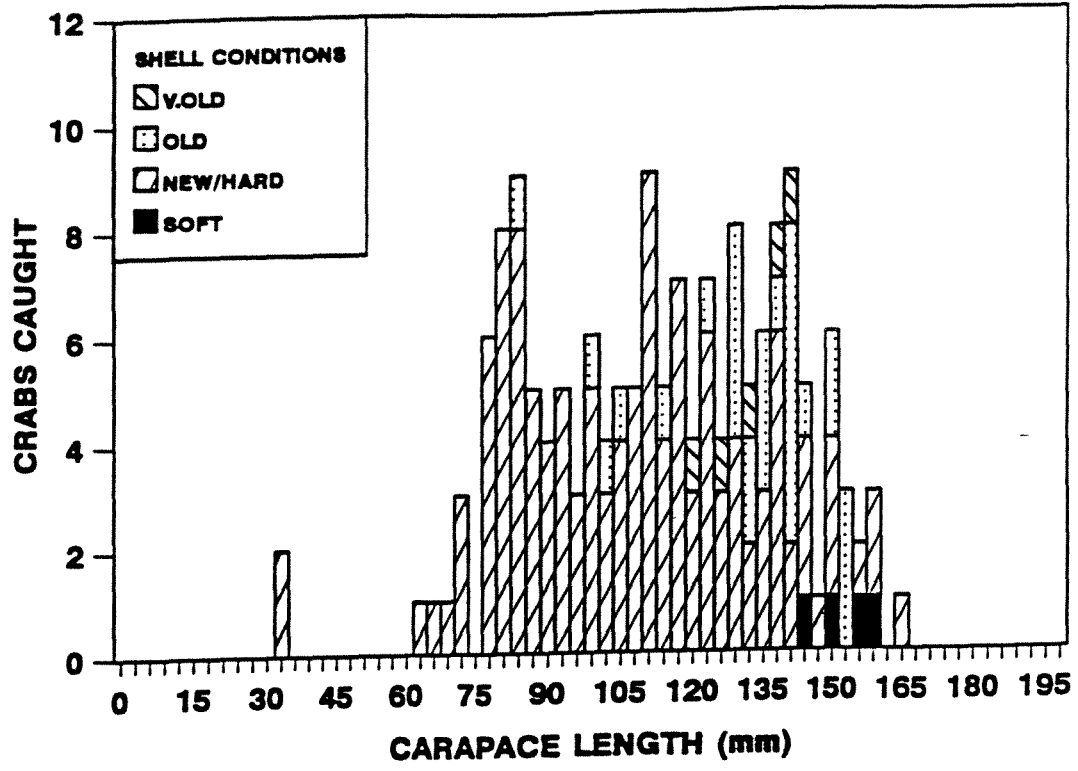
1993 BBAY RED KING CRAB MALES BY 3 mm INTERVALS



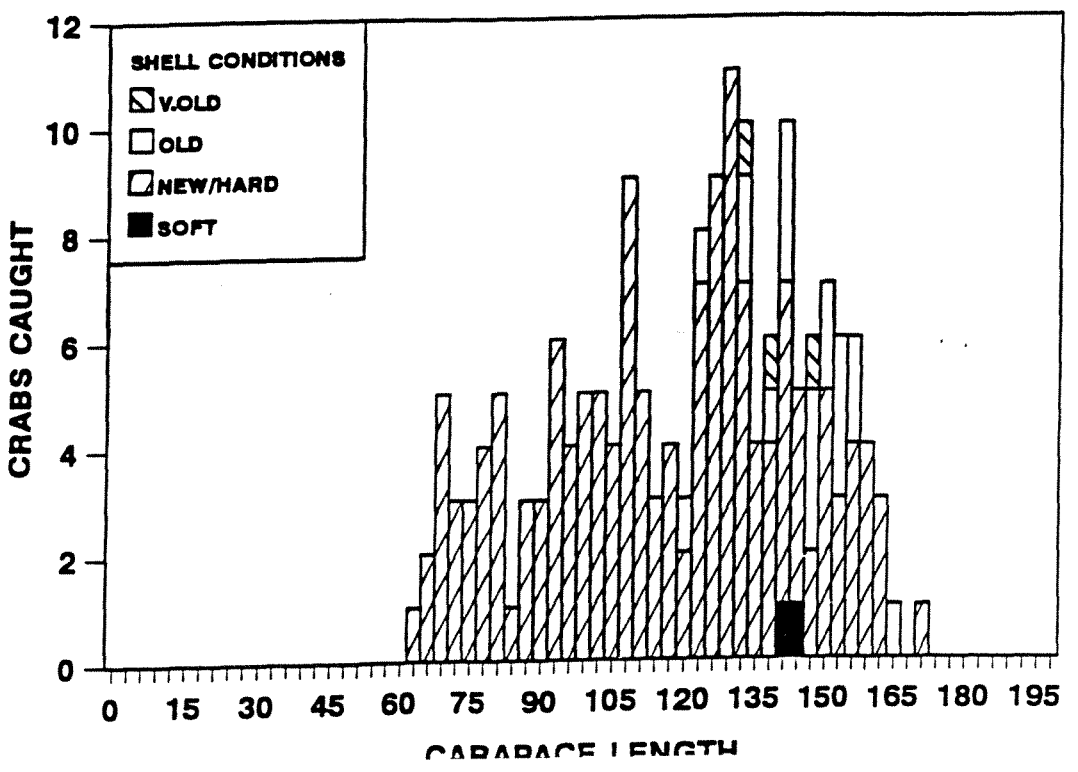
Blue King Crab, Pribilof District



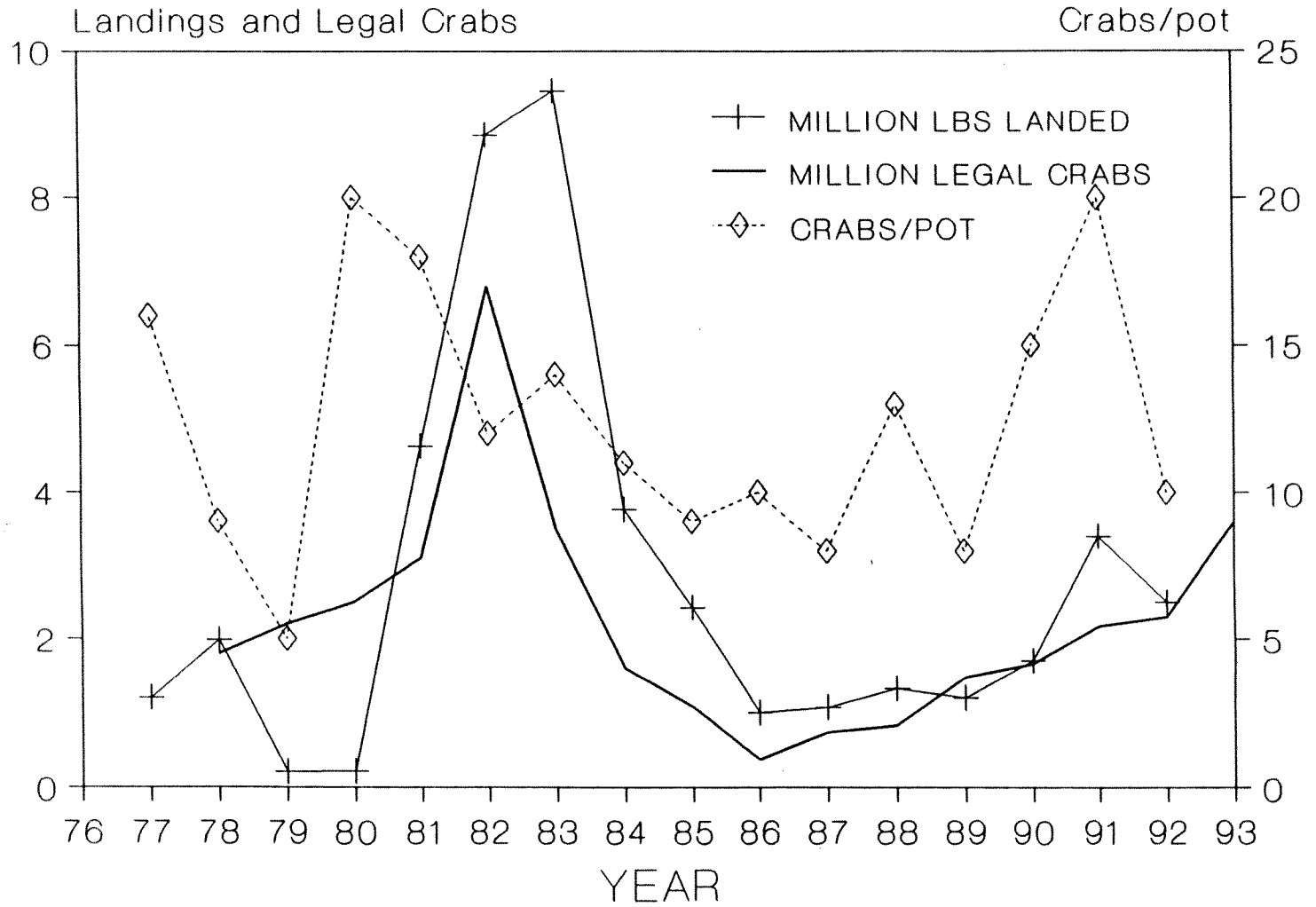
1992 BLUE KING CRAB - PRIBILOF MALES BY 3 mm INTERVALS



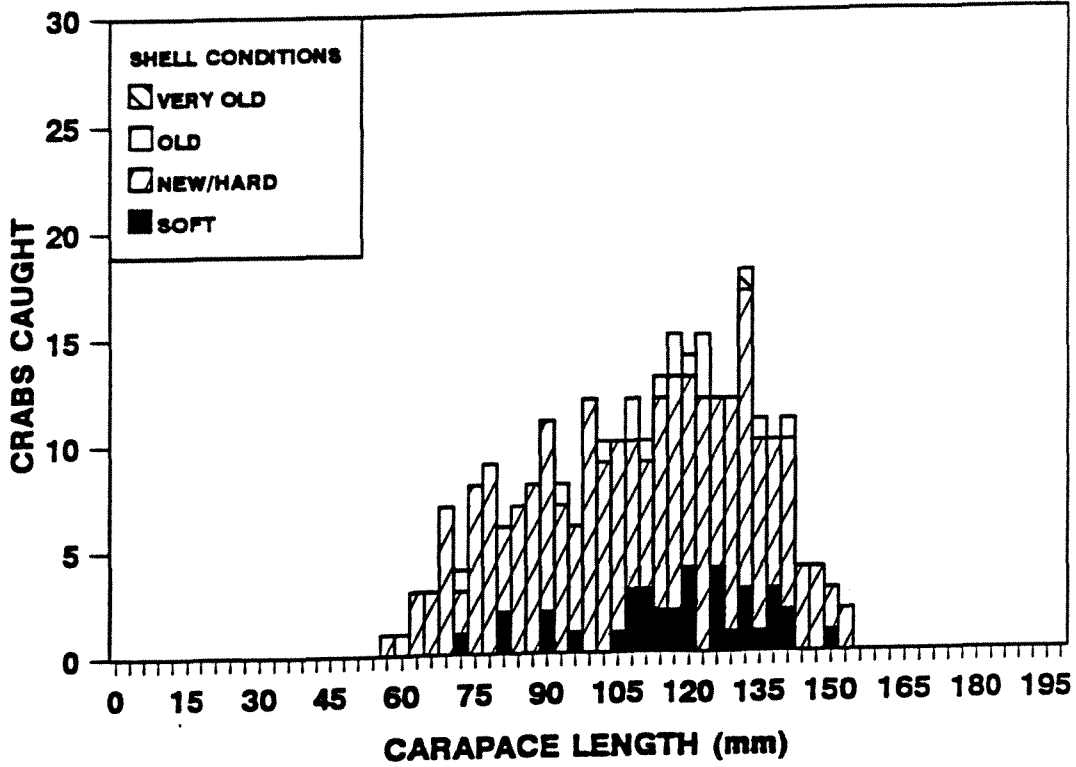
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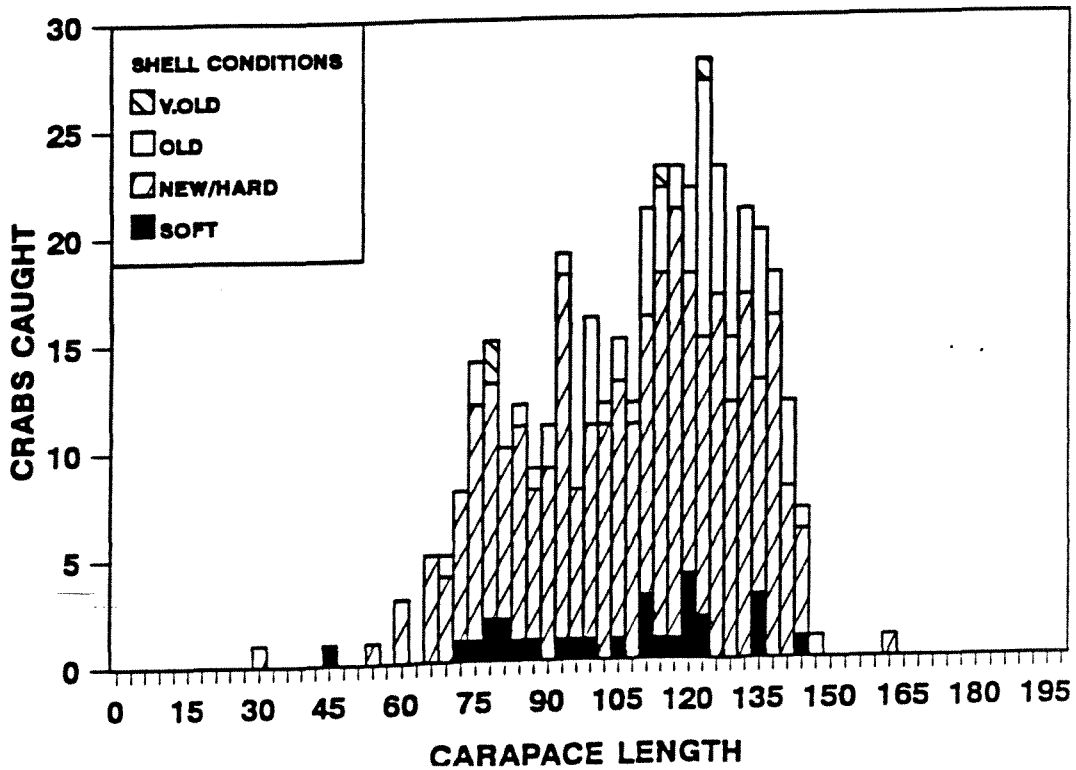
Blue King Crab, Northern District



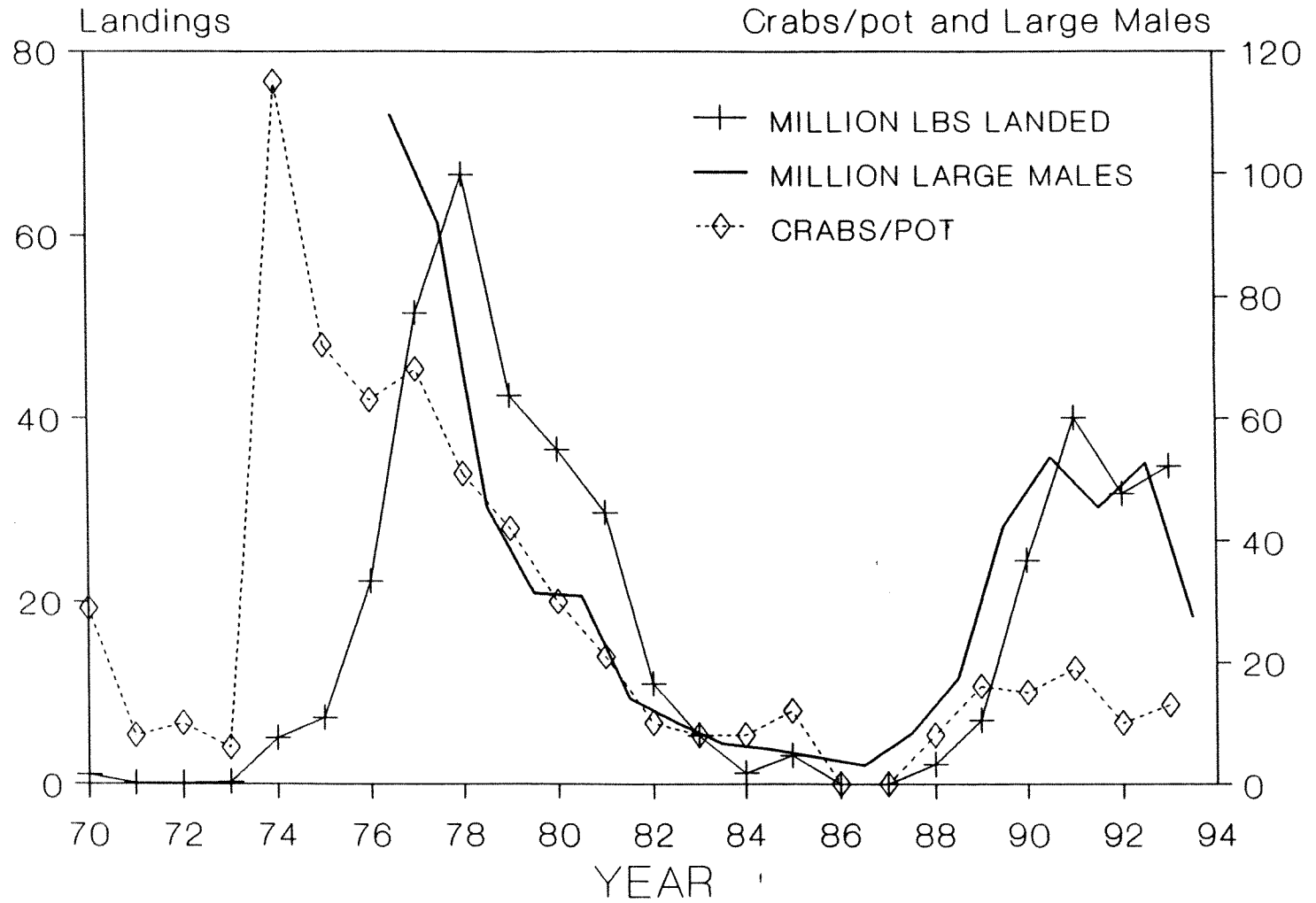
1992 BLUE KING CRAB, ST. MATT. MALES BY 3 mm INTERVALS



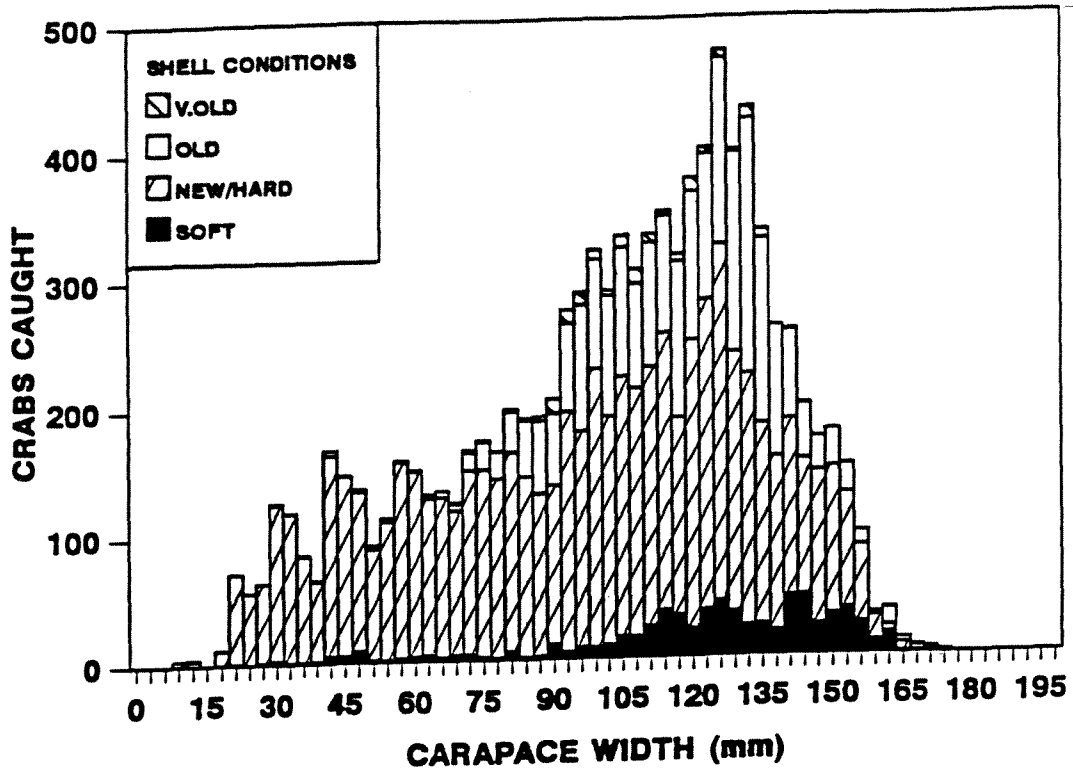
1993 BLUE KING CRAB - ST. MATT MALES BY 3 mm INTERVALS



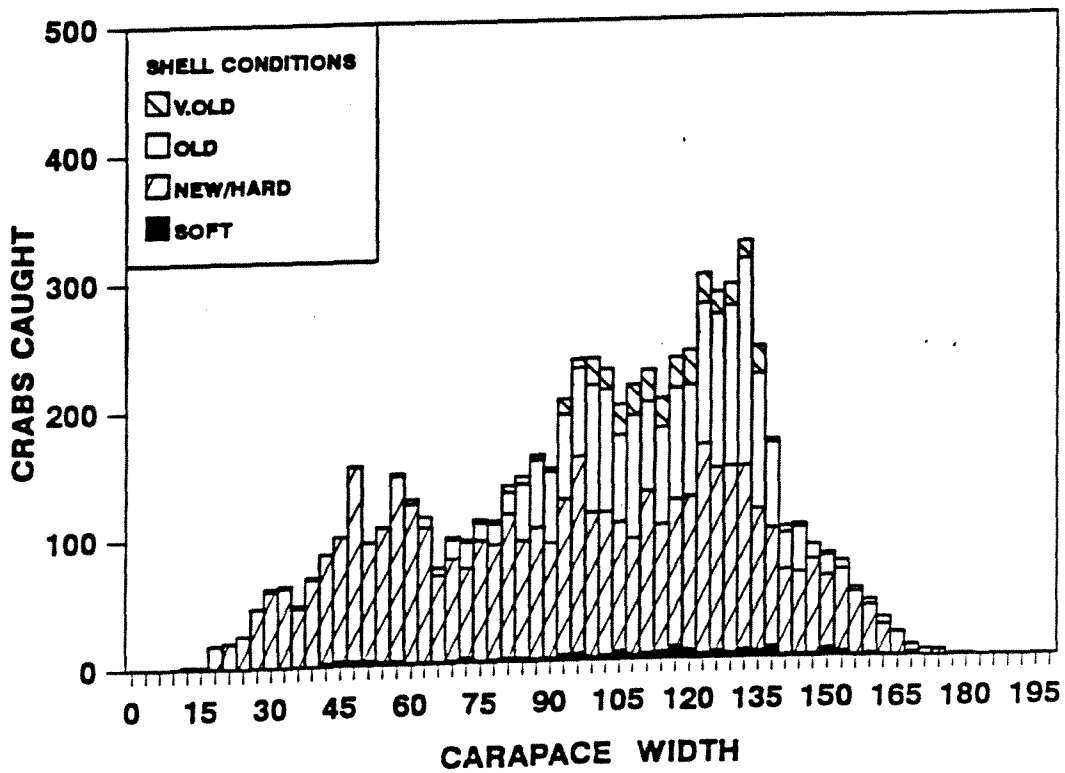
C. bairdi, Eastern District



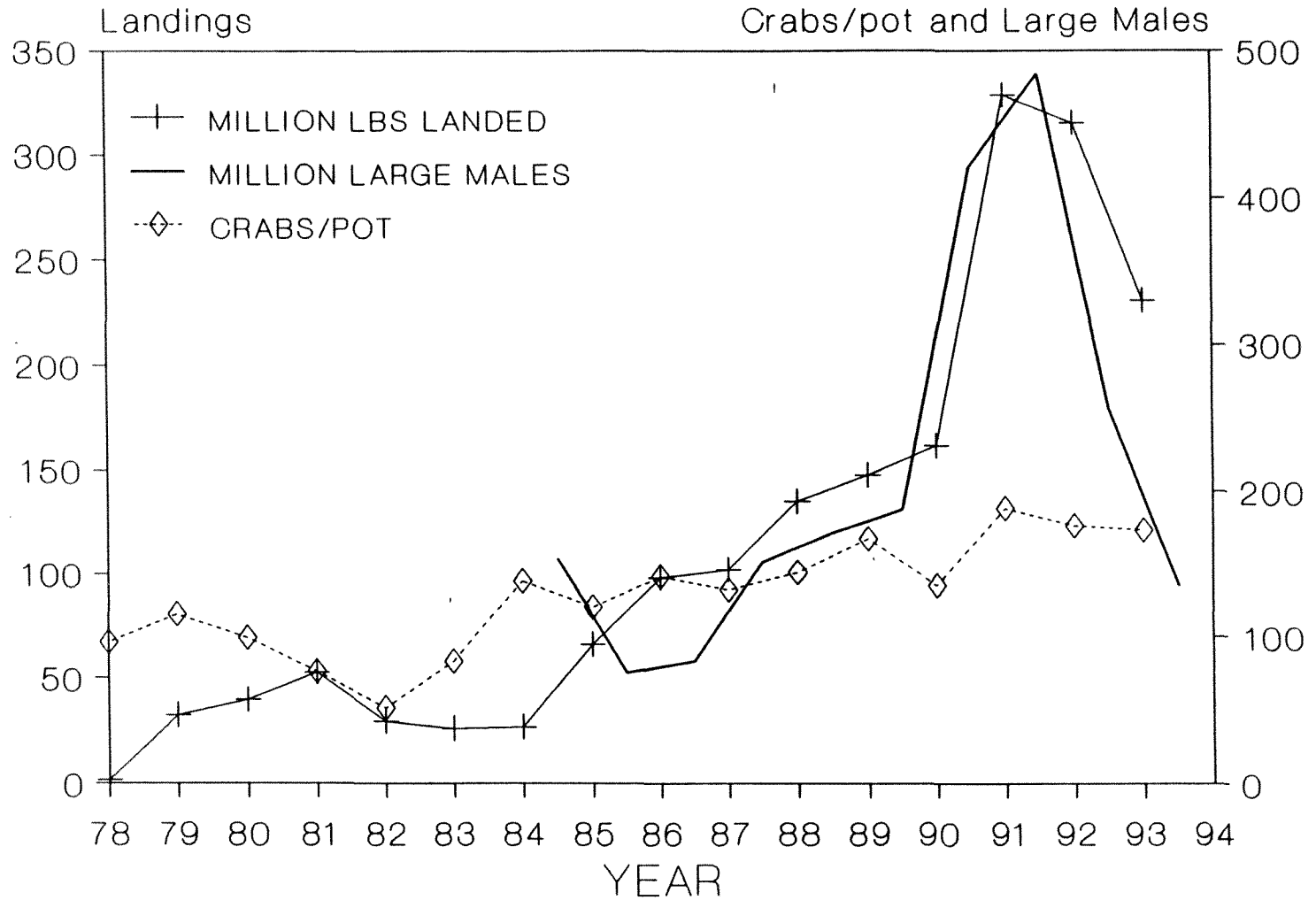
1992 TANNER CRAB MALES BY 3 mm INTERVALS



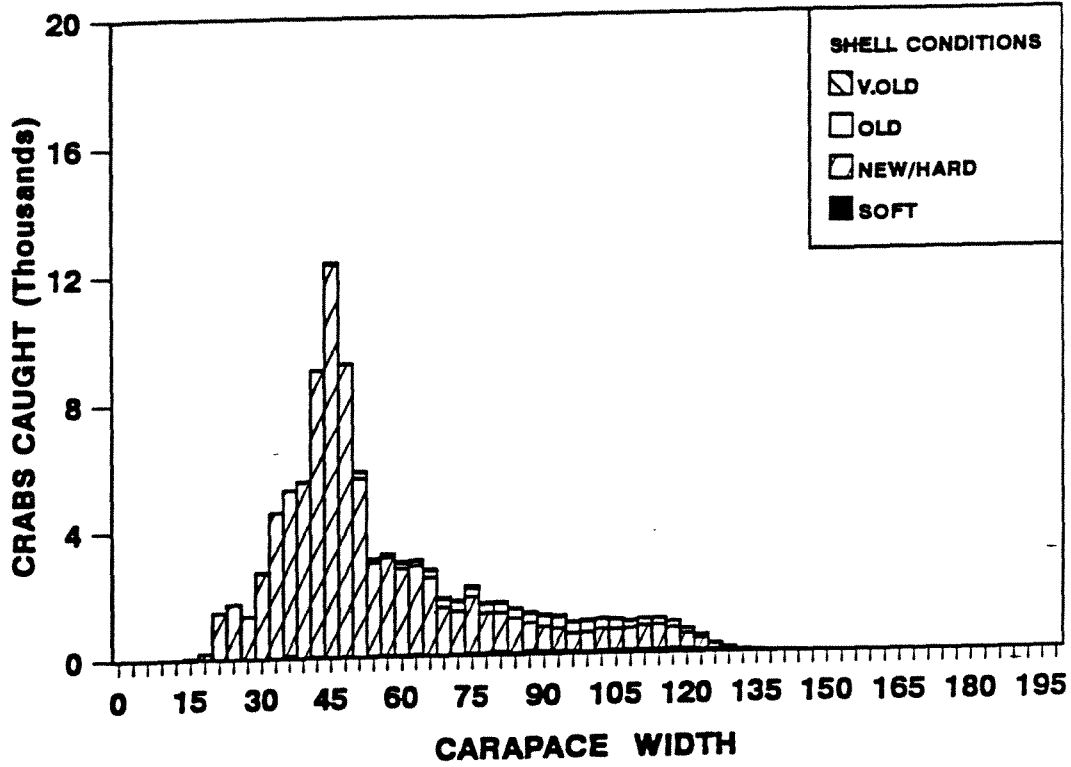
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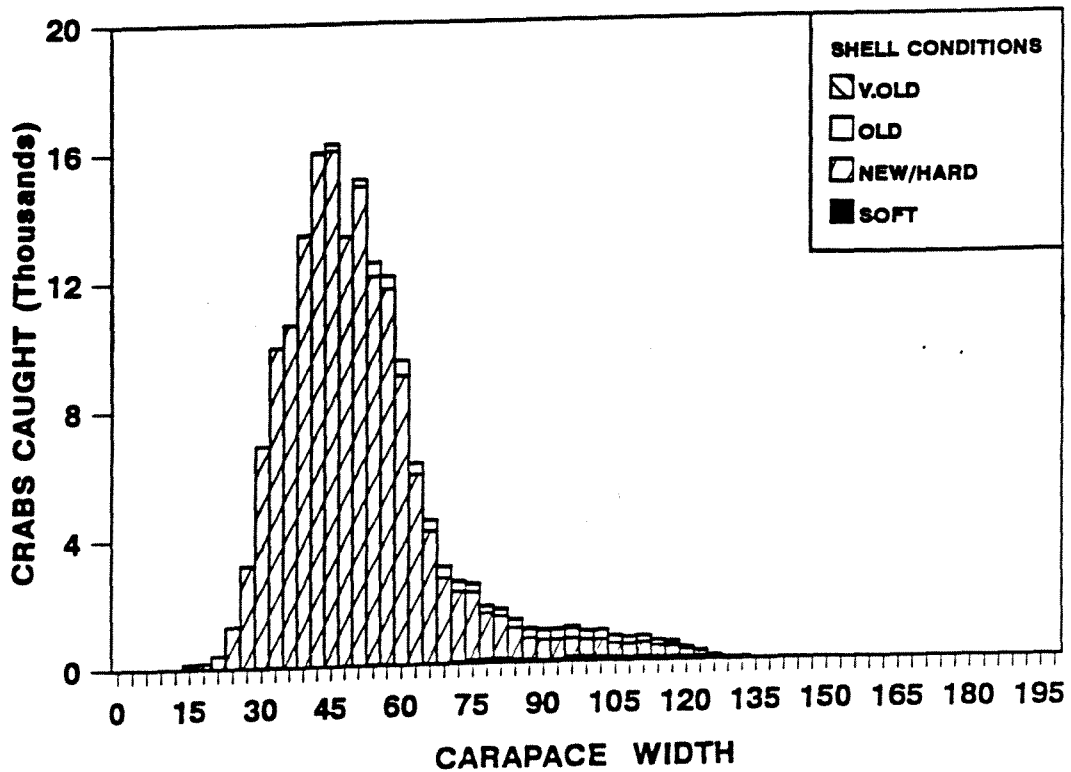
C. opilio, all Districts



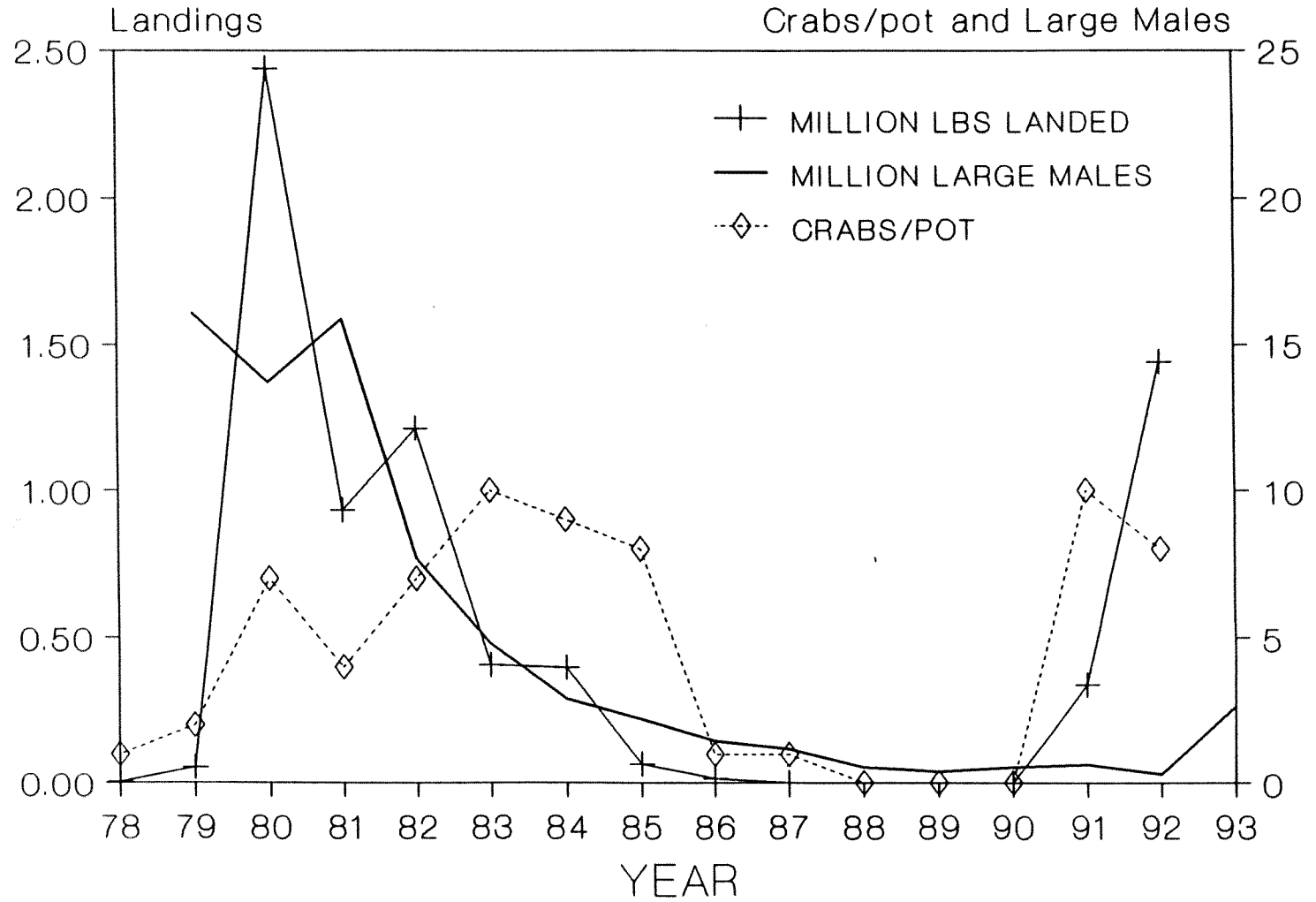
1992 SNOW CRAB MALES BY 3 mm INTERVALS



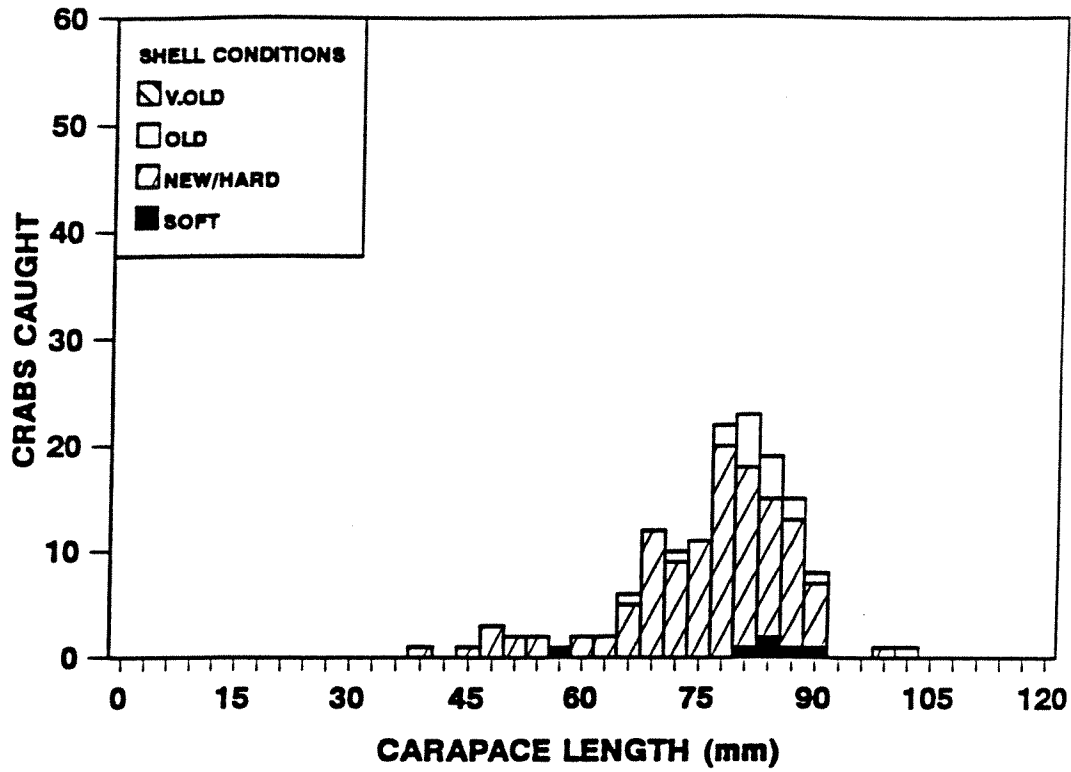
1993 SNOW CRAB MALES BY 3 mm INTERVALS



Hair Crab, Erimacrus isenbeckii



1992 MALE HAIR CRAB BY 3 mm INTERVALS



1993 MALE HAIR CRAB BY 3 mm INTERVALS

