

# An skeleton assessment for Aleutian Islands Golden King crab in GMACS

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## **A. Summary of Major Changes**

1. Management: None
2. Input data:
3. Assessment methodology:
4. Assessment results

Notes:

## **B. Comments, responses, and assessment summary**

## **C. Introduction**

**Distribution**

**Life history characteristics**

**Natural mortality**

**Weight at length**

**Maturity**

**Molting probability**

**Reproduction**

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**Management history**

**ADFG harvest strategy**

**History of BMSY**

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## **D. Data**

Catch data

Survey biomass and size composition data

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## **Appendix A: Population dynamics**

Table 1: Changes in management quantities for each scenario considered. Reported management quantities are derived from maximum likelihood estimates.

Model	MMB	B35	F35	FOFL	OFL
Version 2.01.E	9166.196	6977.515	0.589	0.589	2896.413
Version 2.01.F	9166.196	6977.515	0.589	0.589	2896.413
Version 2.01.G	9166.196	6977.515	0.589	0.589	2896.413
Version 2.01.H	9166.196	6977.515	0.589	0.589	2896.413
Version 2.01.I	9166.196	6977.515	0.589	0.589	2896.413
Version 2.01.K	9166.196	6977.515	0.589	0.589	2896.413



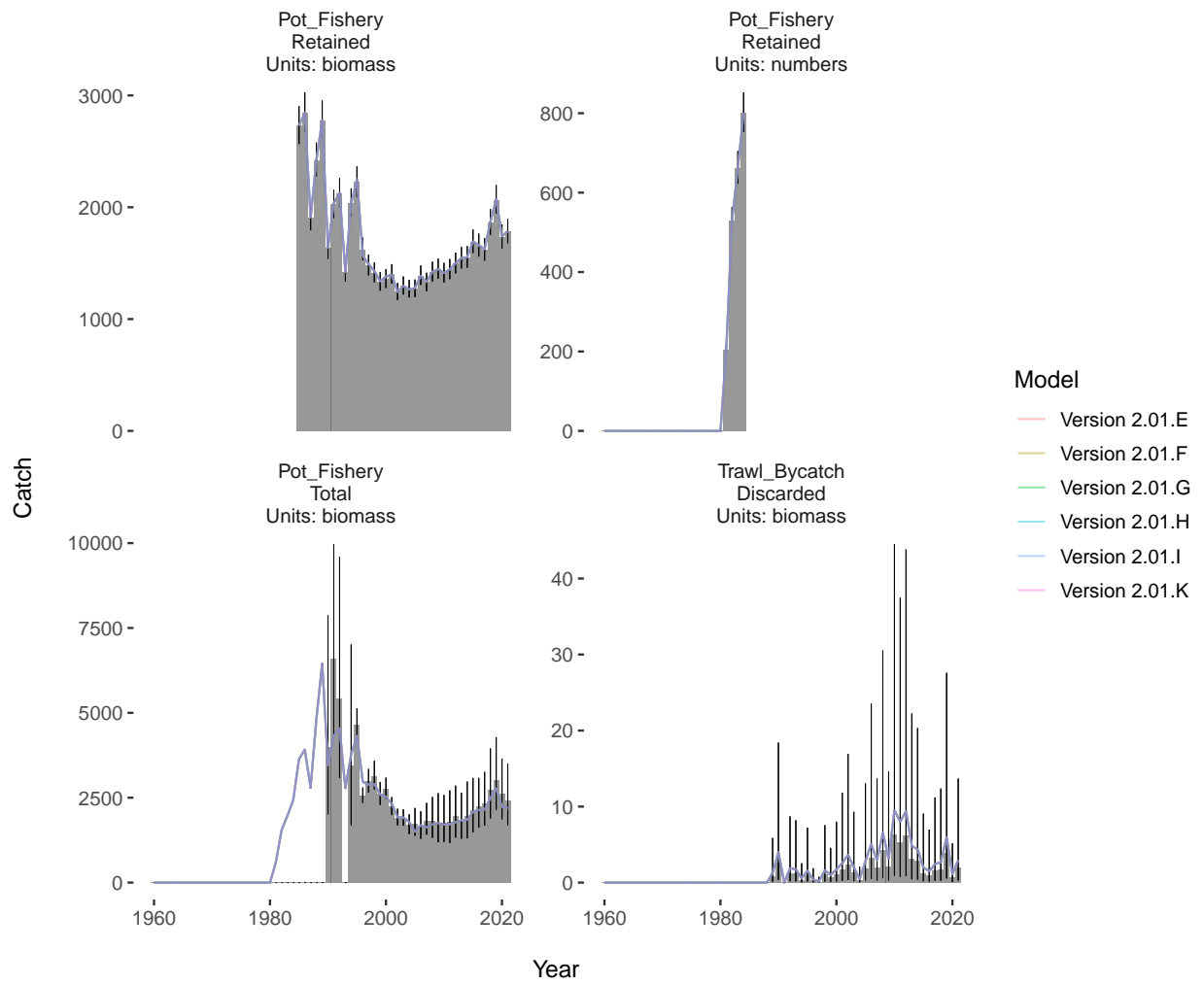


Figure 1: Model fits to the catch data.

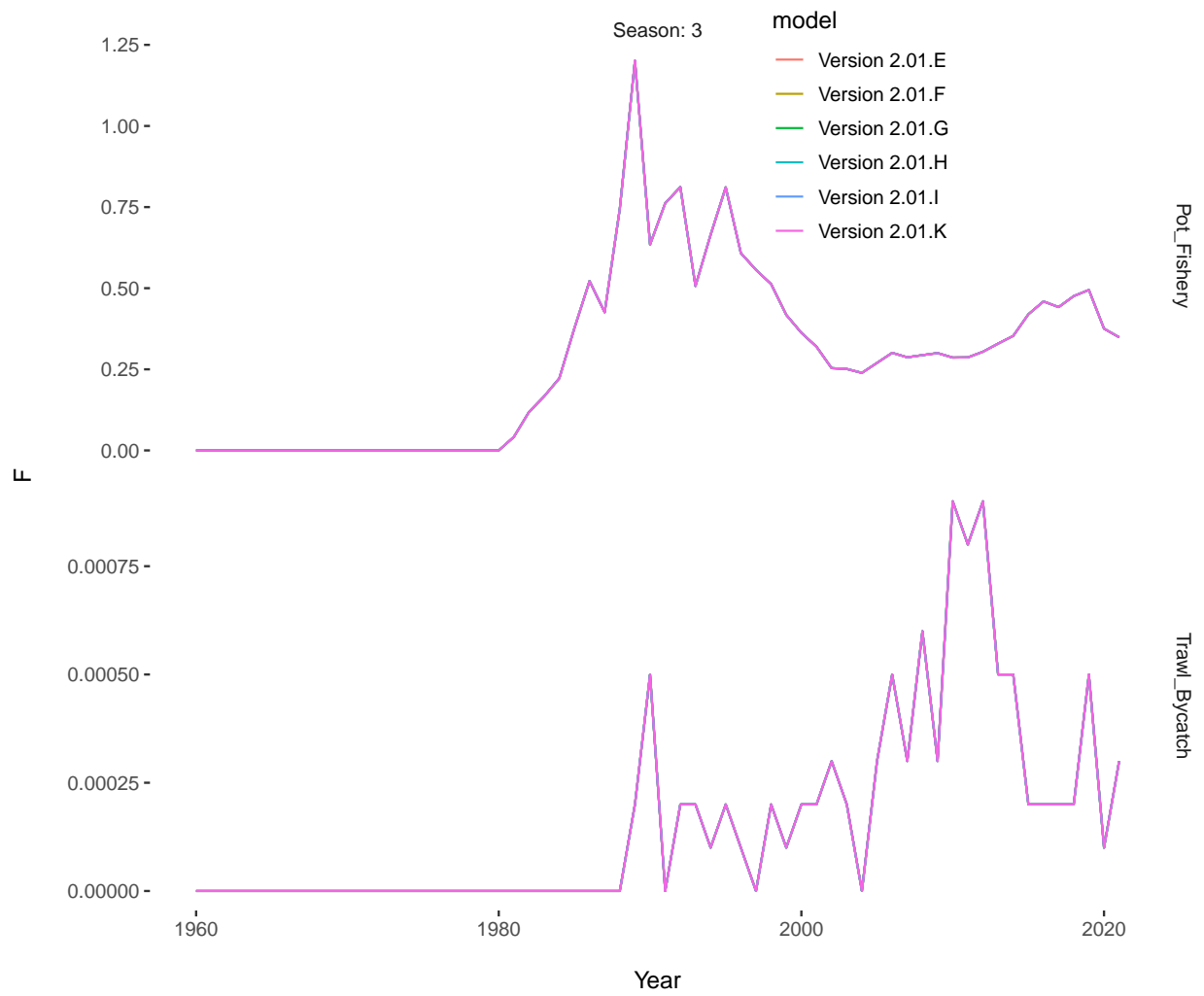


Figure 2: Estimated fishing mortality by fleet.

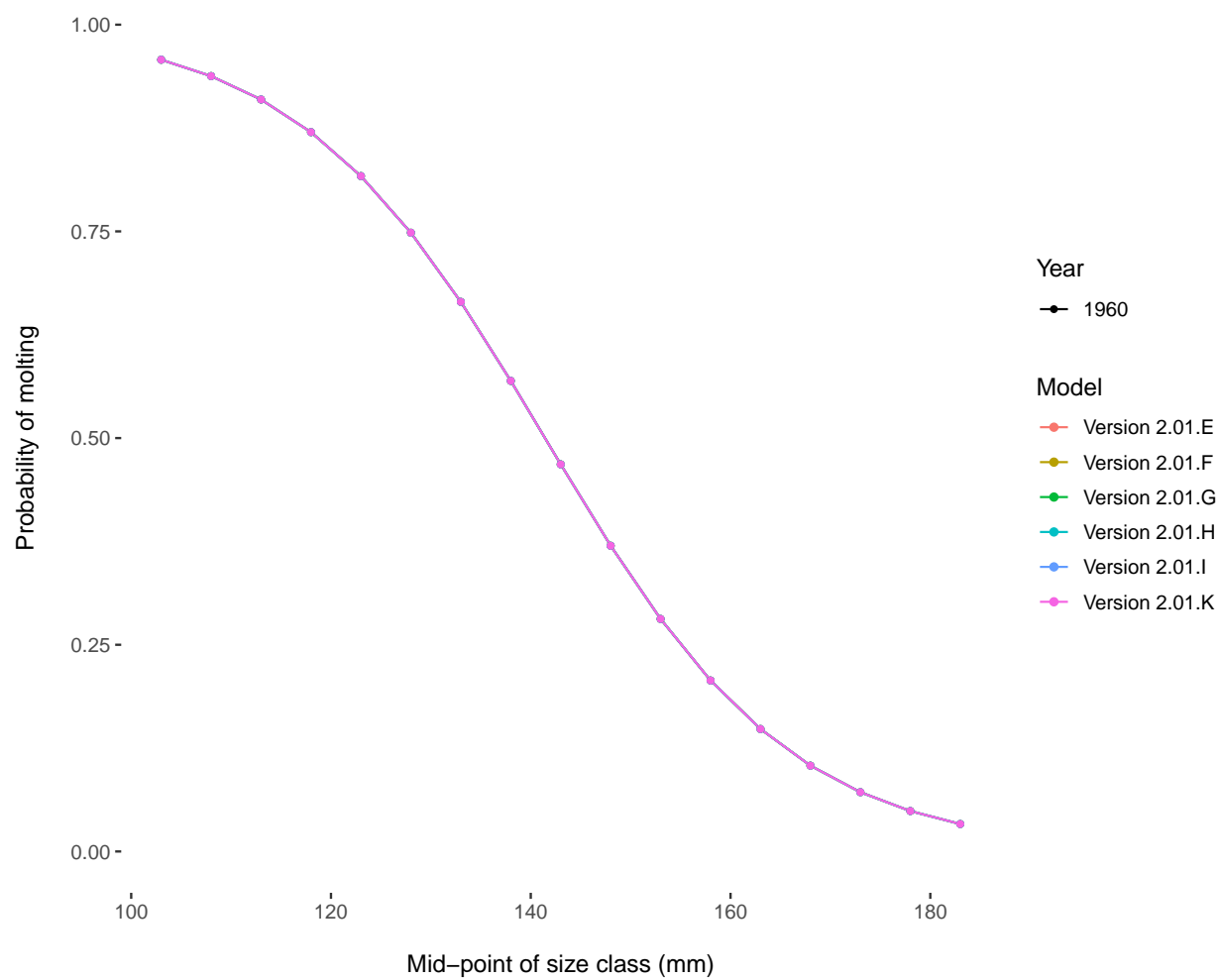


Figure 3: Estimated probability of molting.

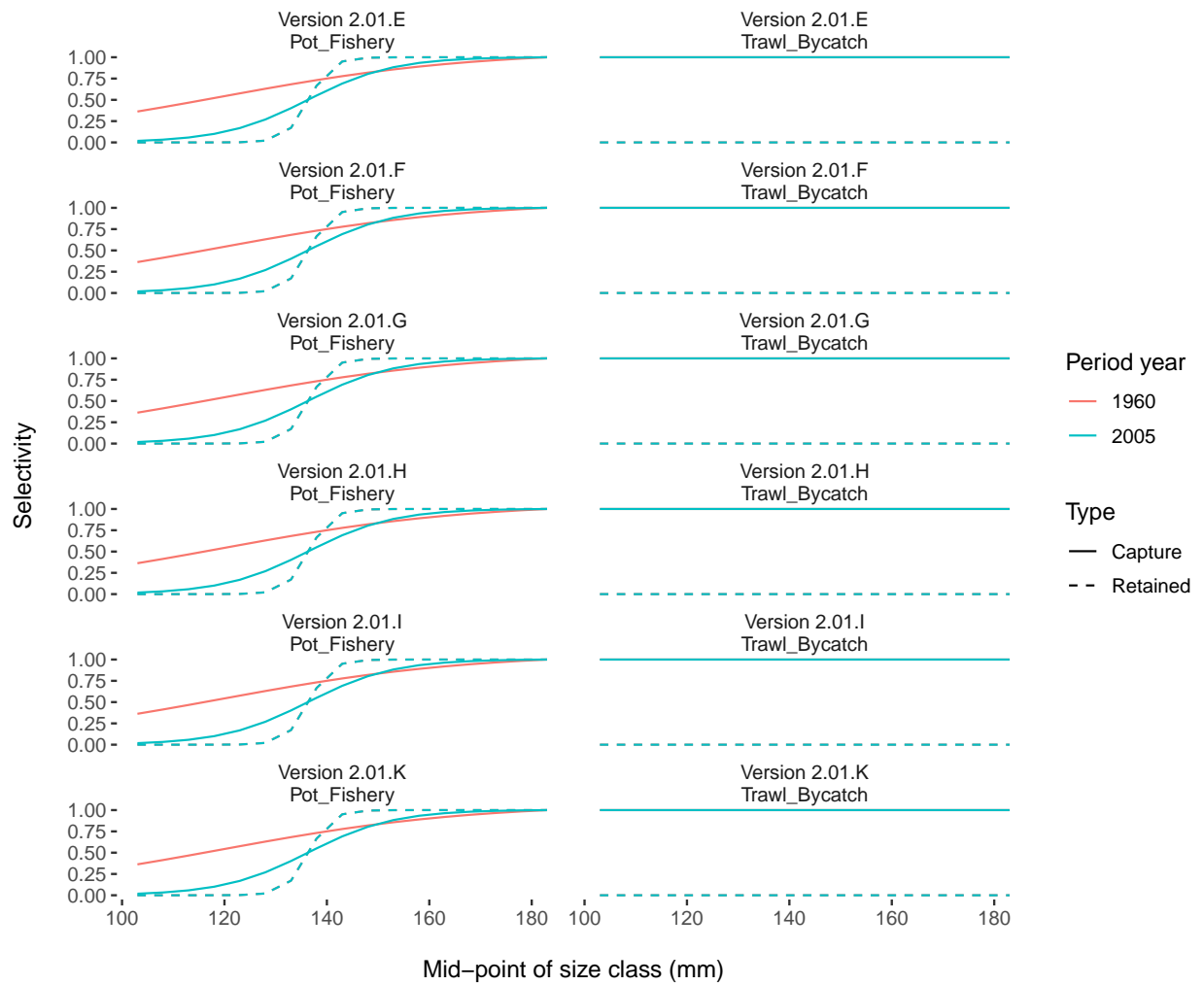


Figure 4: Estimated selectivity.

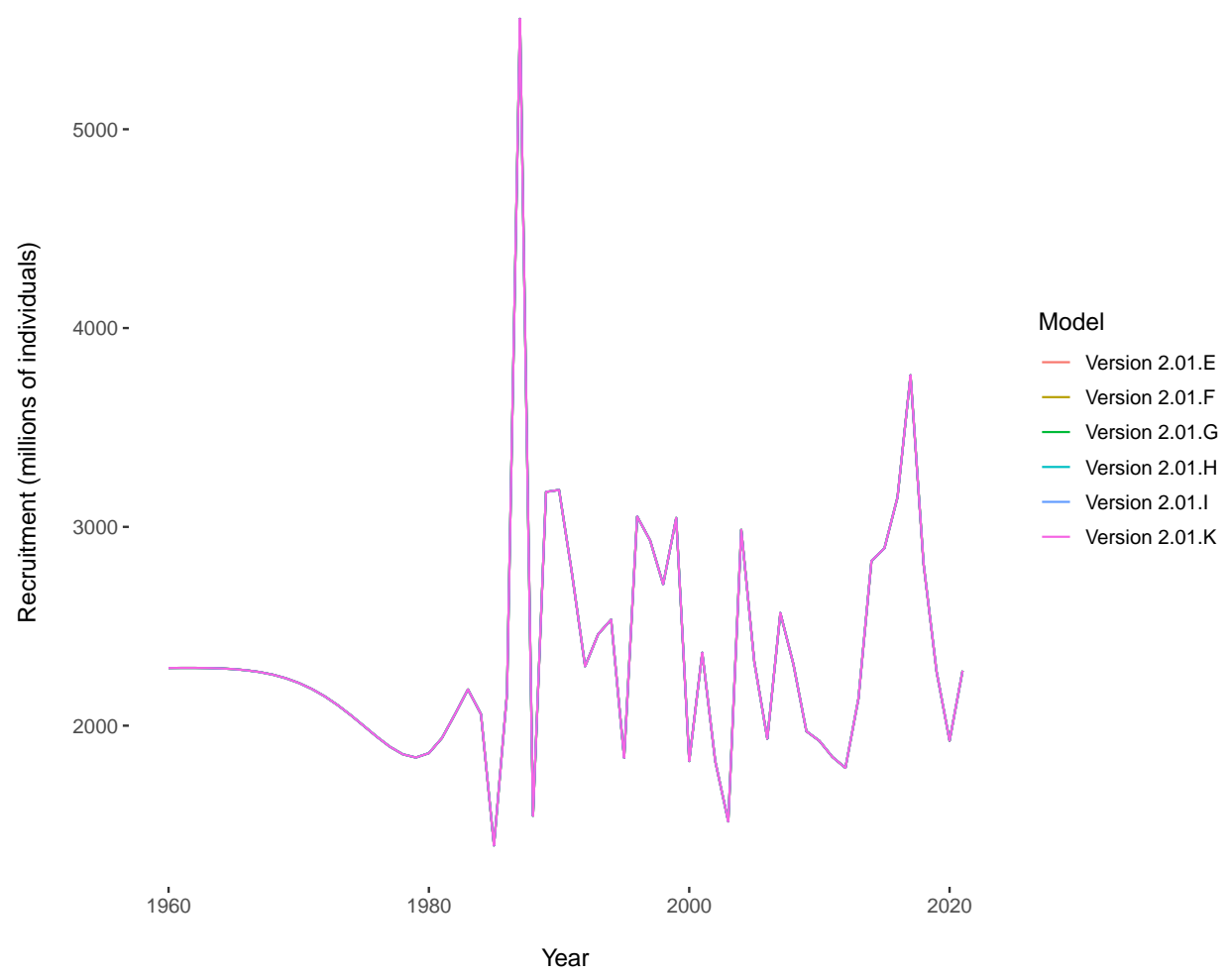


Figure 5: Estimated recruitment.

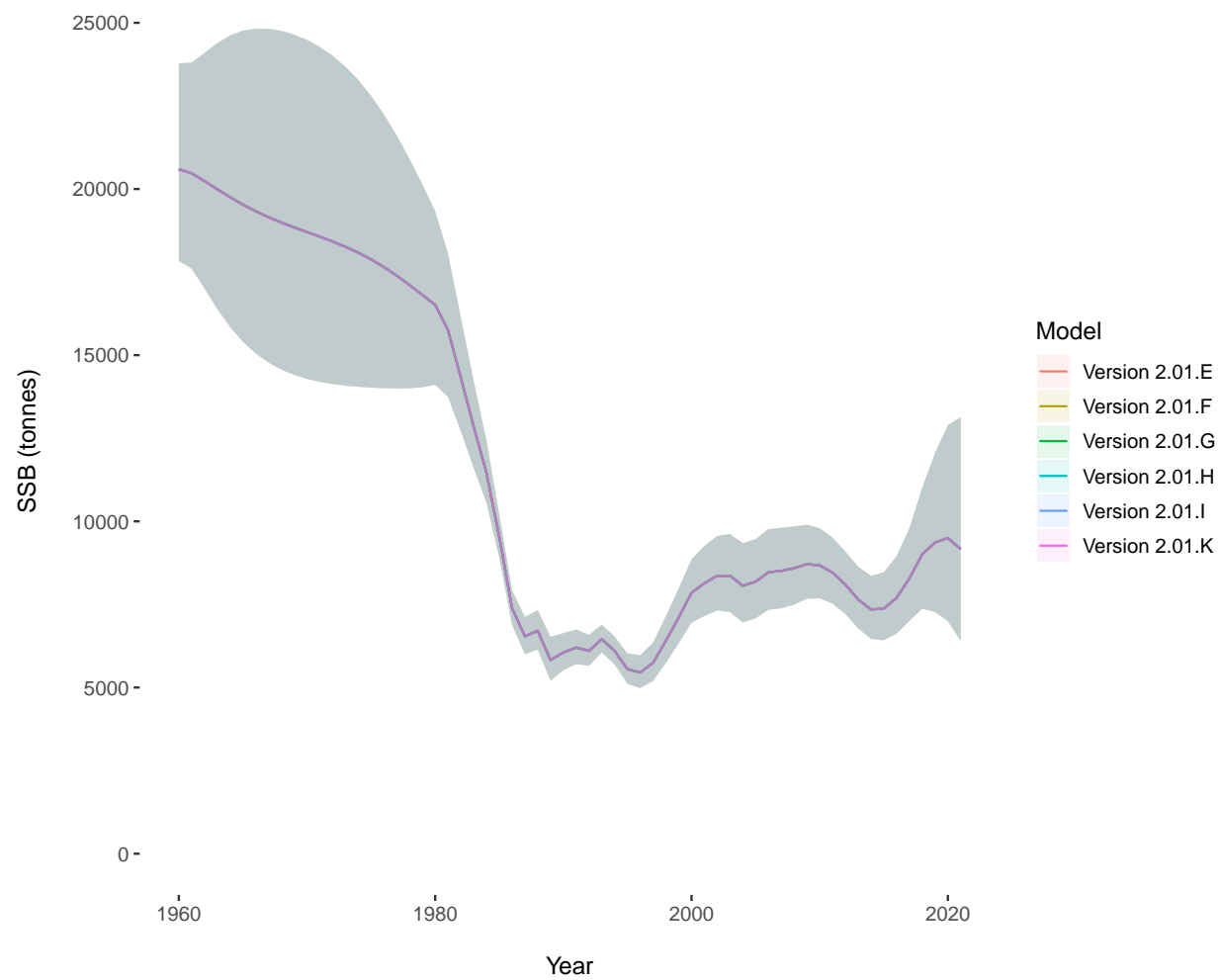


Figure 6: Estimated mature biomass

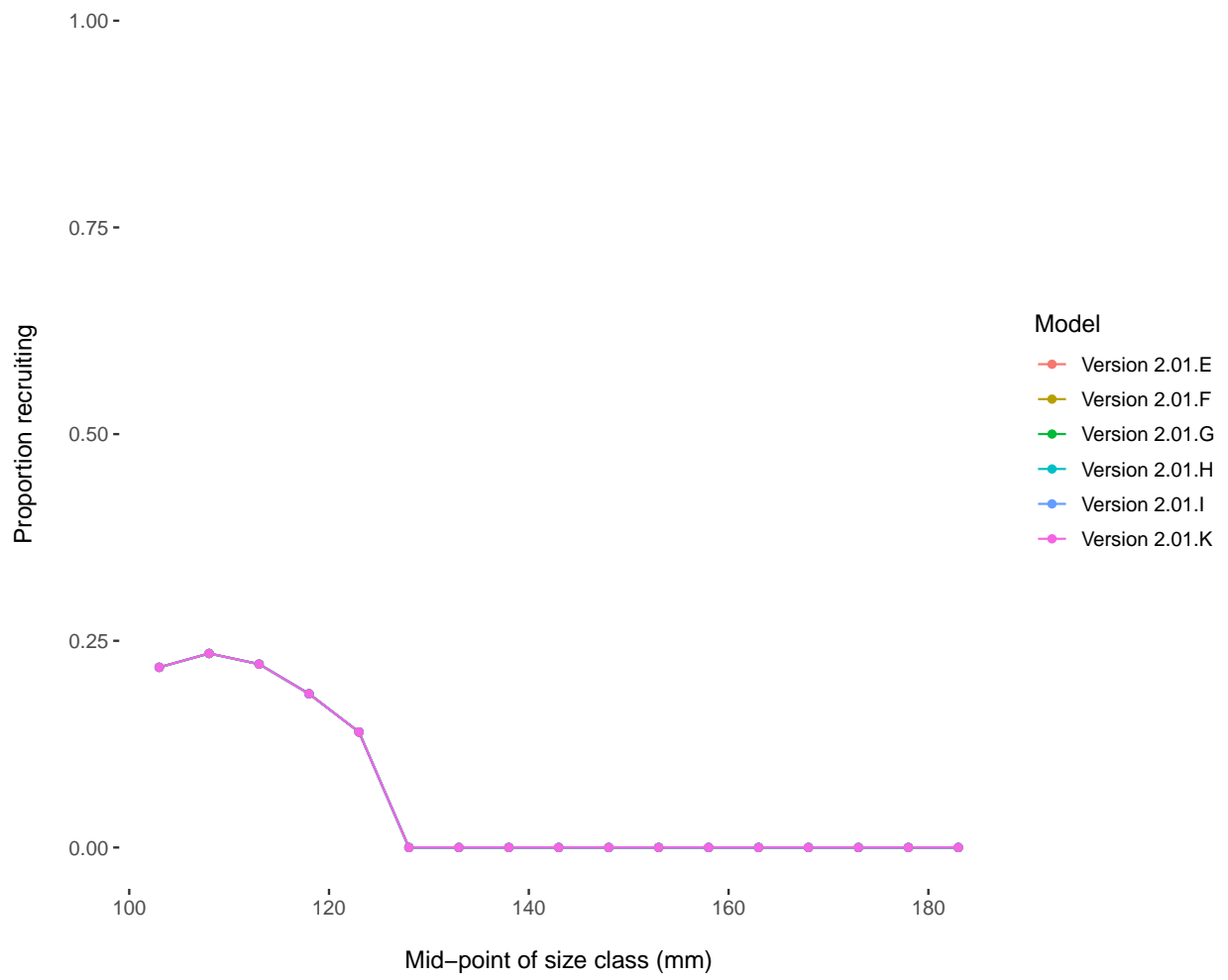


Figure 7: Estimated size at recruitment

