

**Winter Skate**  
**Relationship Between SSB Indices**  
**and Recruitment Indices**

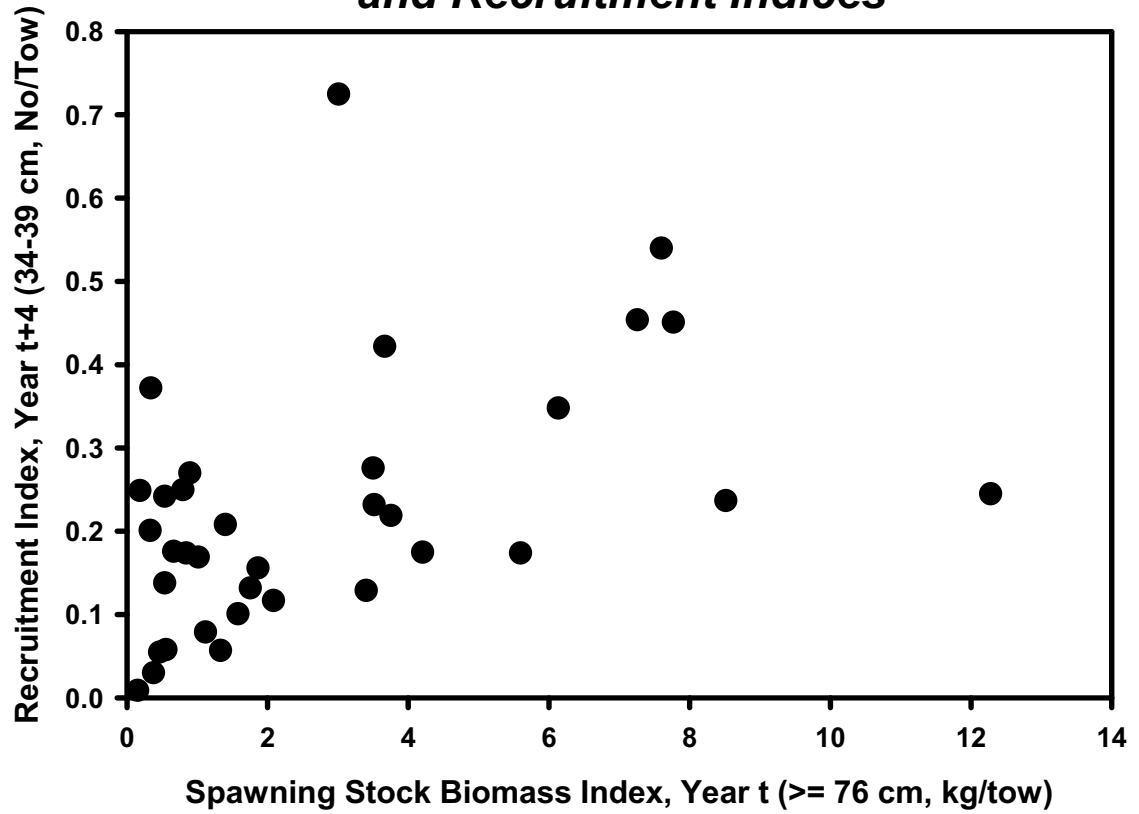
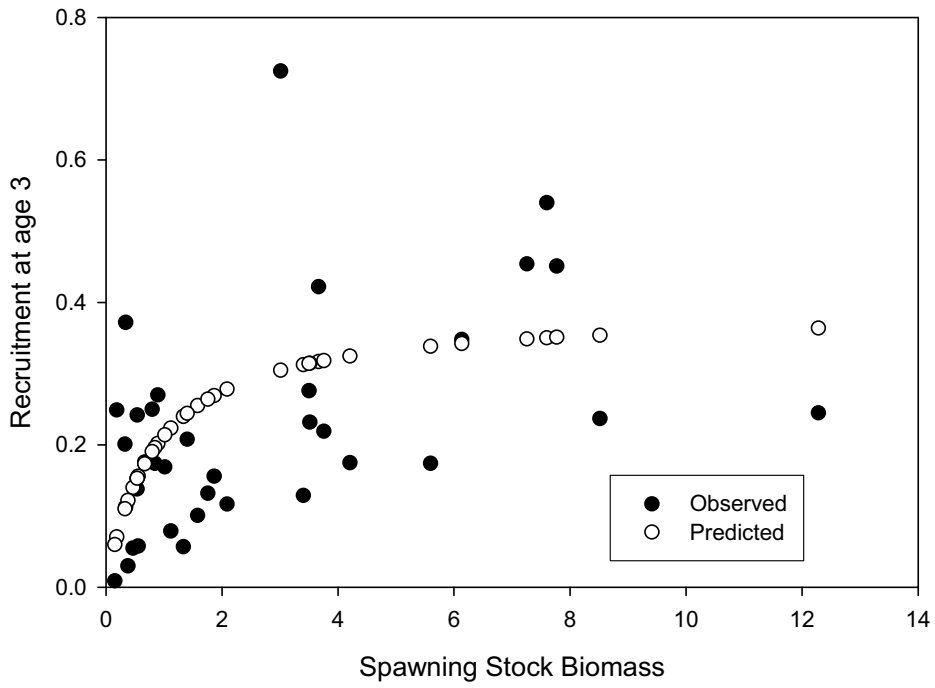


Figure B3.1. Relationship between spawning stock biomass indices ( $\geq 76$  cm) and recruitment indices (no/tow, 34-39 cm) for winter skate. The time lag between SSB and recruitment accounts for the assumed age 3 at recruitment plus one year for hatching time.

## Winter Skate



## Barndoor Skate

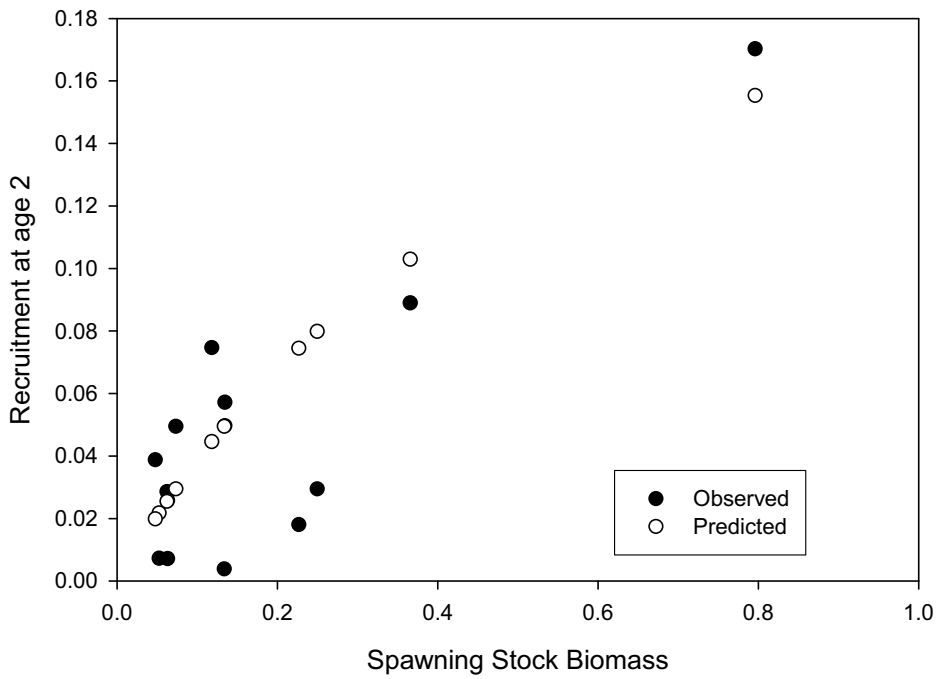


Figure B3.2. Stock-recruitment plots for winter skate and barndoor skate with the Beverton-Holt function plotted.

**Little Skate**  
**Relationship Between SSB Indices**  
**and Recruitment Indices**

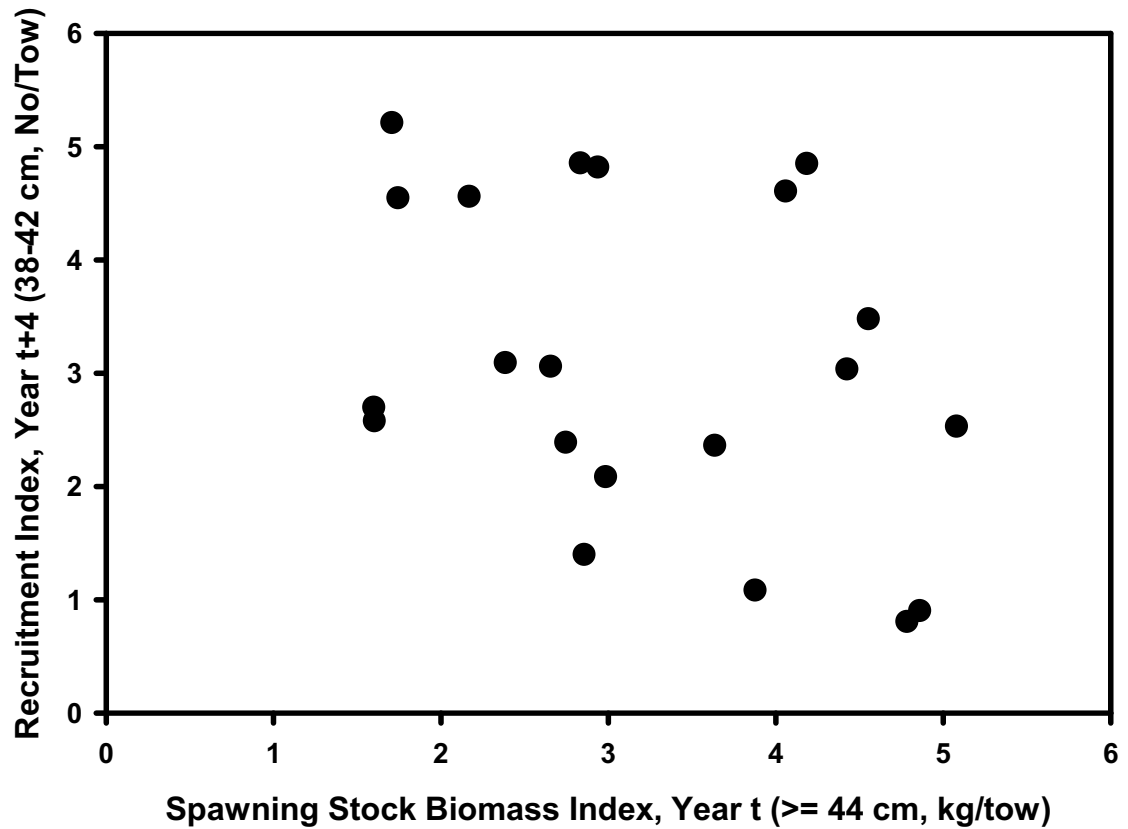


Figure B.3.3. Relationship between spawning stock biomass indices ( $\geq 44$  cm) and recruitment indices (no/tow, 38-42 cm) for little skate. The time lag between SSB and recruitment accounts for the assumed age 3 at recruitment plus one year for hatching time.

**Barndoor Skate  
Relationship Between SSB Indices  
and Recruitment Indices**

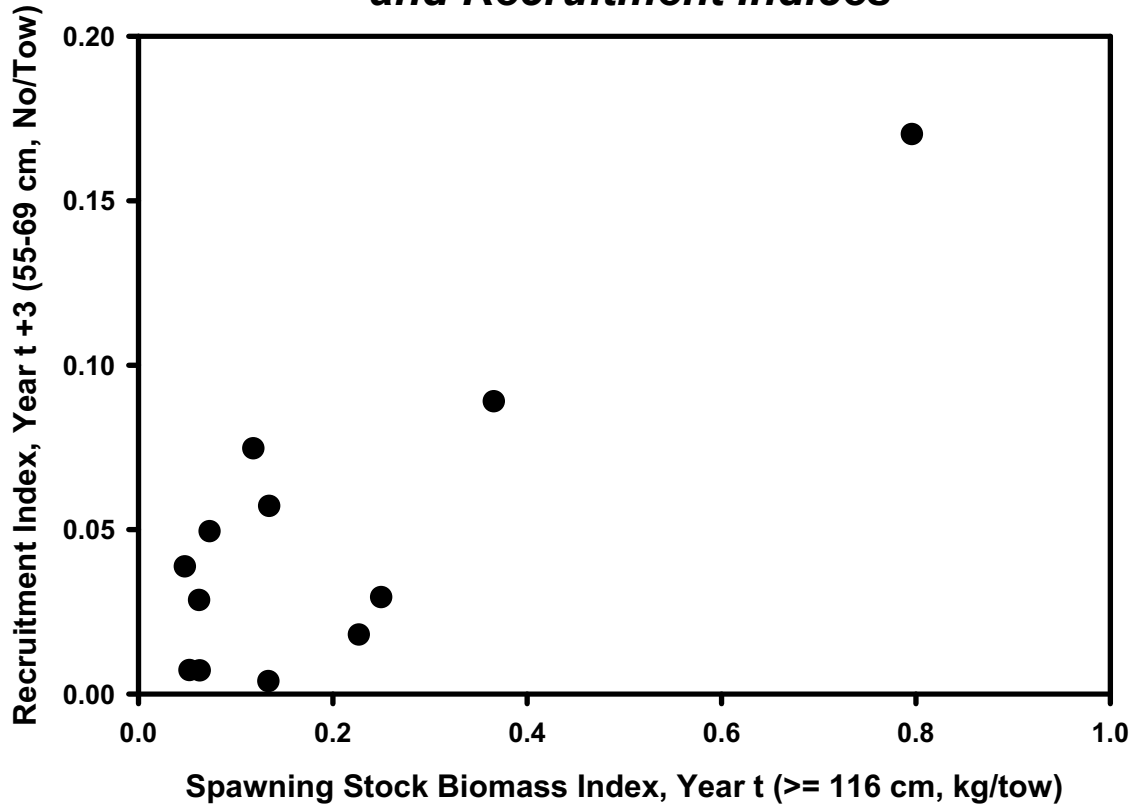


Figure B3.4. Relationship between spawning stock biomass indices ( $\geq 116$  cm) and recruitment indices (no/tow, 55-69 cm) for barndoor skate. The time lag between SSB and recruitment accounts for the assumed age 2 at recruitment plus one year for hatching time.

**Thorny Skate**  
**Relationship Between SSB Indices**  
**and Recruitment Indices**

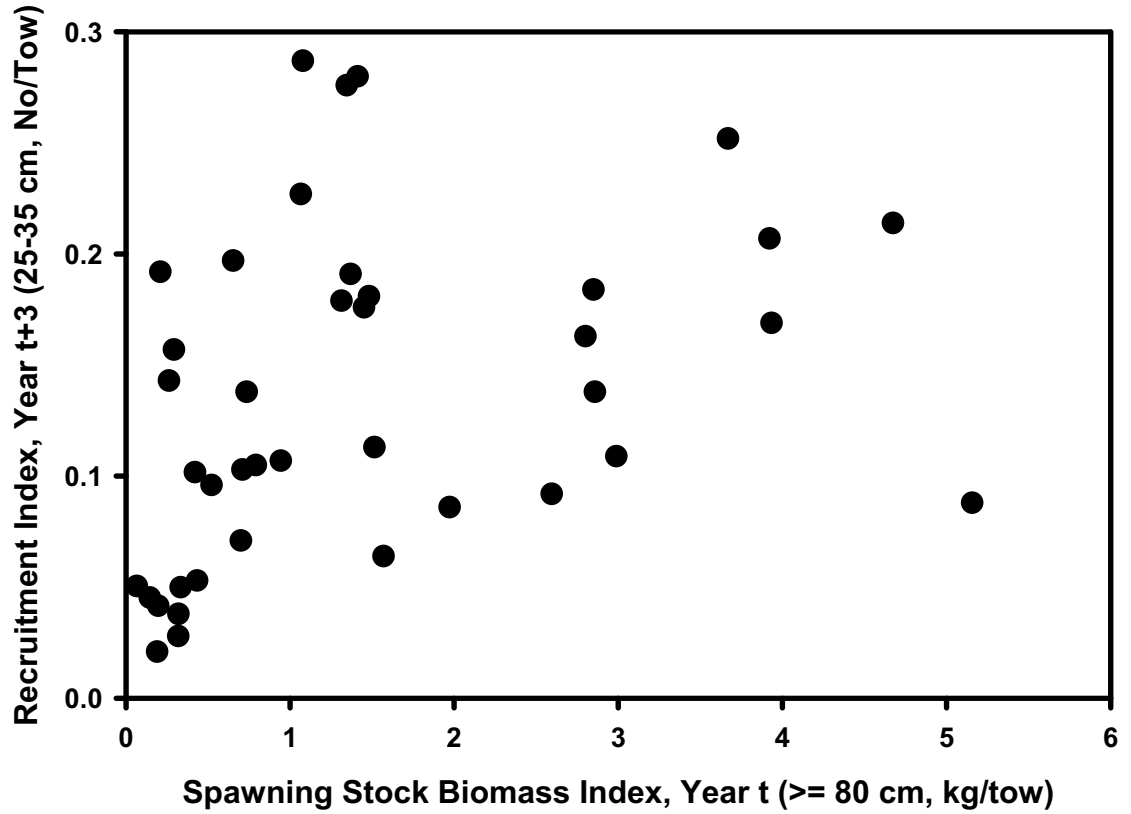
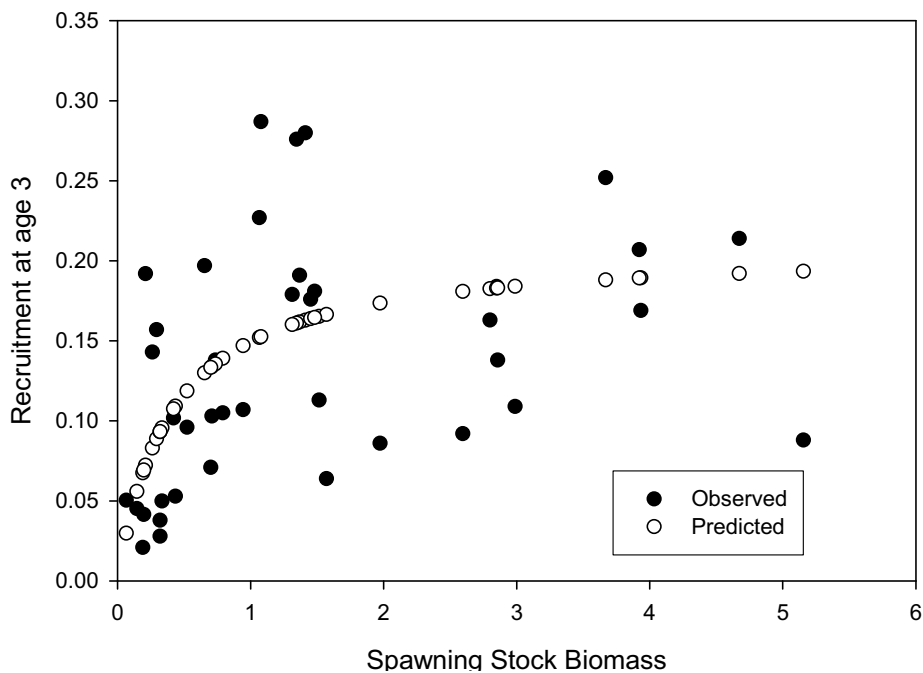


Figure B3.5. Relationship between spawning stock biomass indices ( $\geq 80$  cm) and recruitment indices (no/tow, 25-35 cm) for thorny skate. The time lag between SSB and recruitment accounts for the assumed age 2 at recruitment plus one year for hatching time.

### Thorny Skate



### Clearnose Skate

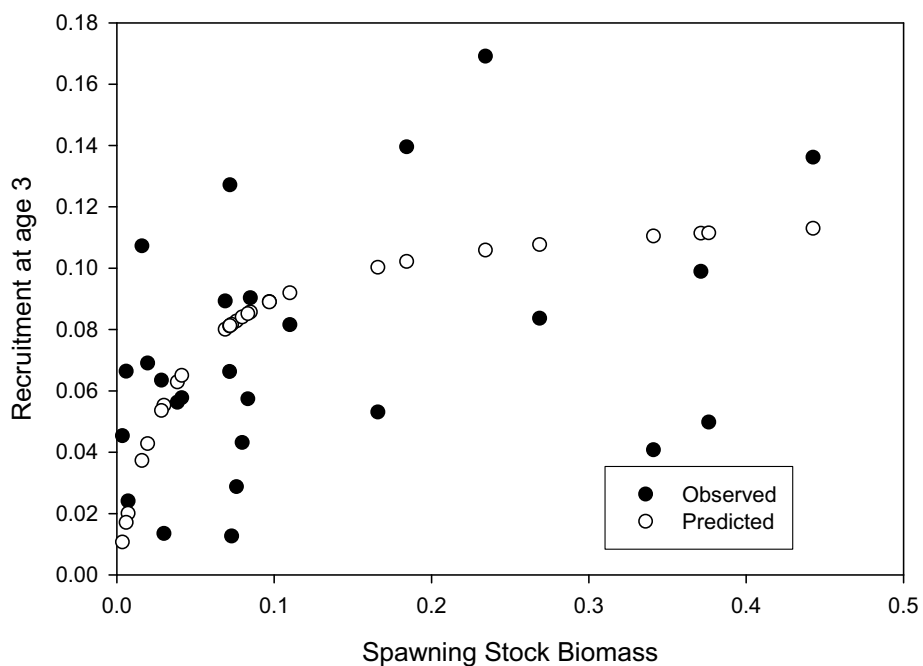


Figure B3.6. Stock-recruitment plots for thorny skate and clearnose skate with the Beverton-Holt function plotted.

**Clearnose Skate**  
**Relationship Between SSB Indices**  
**and Recruitment Indices**

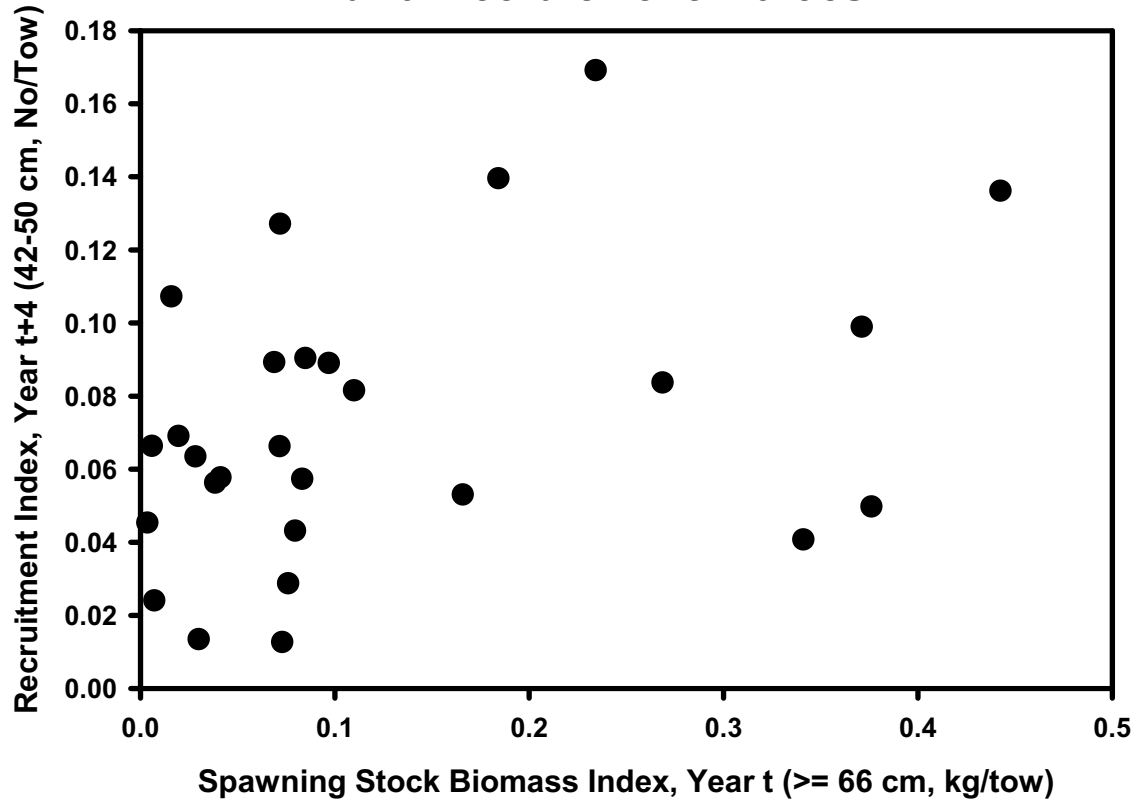


Figure B3.7. Relationship between spawning stock biomass indices ( $\geq 66$  cm) and recruitment indices (no/tow, 42-50 cm) for clearnose skate. The time lag between SSB and recruitment accounts for the assumed age 3 at recruitment plus one year for hatching time.