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| **Parameter and values** | **References** |
| Mortality at age |  |
|  | Hankin et al. 1997; Zhang et al. 2004 |
| Fecundity at age |  |
|  | Botsford and Wickham 1978; Higgins et al. 1997; Rasmuson 2013; Toft et al. 2013 |
| Proportion mature at age |  |
|  | Butler 1960; Wainwright and Armstrong 1993; Jensen and Asplen 1998; Armstrong et al. 2003 |
| Proportion retained at age/sex |  |
|  | Based on 3-S regulations and growth rates |
| Proportion of incidental death at age |  |
|  | Tegelberg 1970; Reilly 1983; Murphy and Kruse 1995; Yochum et al. 2017; Froehlich et al. 2016 |
| Catchability at age |  |
|  | Toft et al. 2013; Froehlich et al. 2016 |
| Steepness  *h* = 0.65 | No exact measures reported; Zheng et al. 1995; Zheng and Kruse 2003; Armstrong et al. 2010; Froehlich et al 2016 |
| Eggs per recruit  φ0 = 630,222 eggs | Derived from mortality, fecundity, and maturity at age; Froehlich et al. 2016 |
| Virgin recruitment  R0 = 7 million crabs | Butler 1960, 1961; Wild and Tasto 1983; Wainwright and Armstrong 1993; Jensen and Asplen 1998; Armstrong et al. 2003 |
| Half-saturation constant (for effective repro ratio)  η = 0.1 | Froehlich et al. 2016 |
| Weekly fishing effort  E = 173,900 traps | California Department of Fish & Wildlife data |