



***SSC***  
***Longfin Squid Review***

*May 2022*

# Longfin Squid

Multi-year specifications for 2021-23

23,400 MT since 2012

“based on empirical evidence appears to be sustainable” (SSC 2020)

“Low exploitation” questionable based on cohort-specific analyses (SSC 2020)

# Update - Surveys

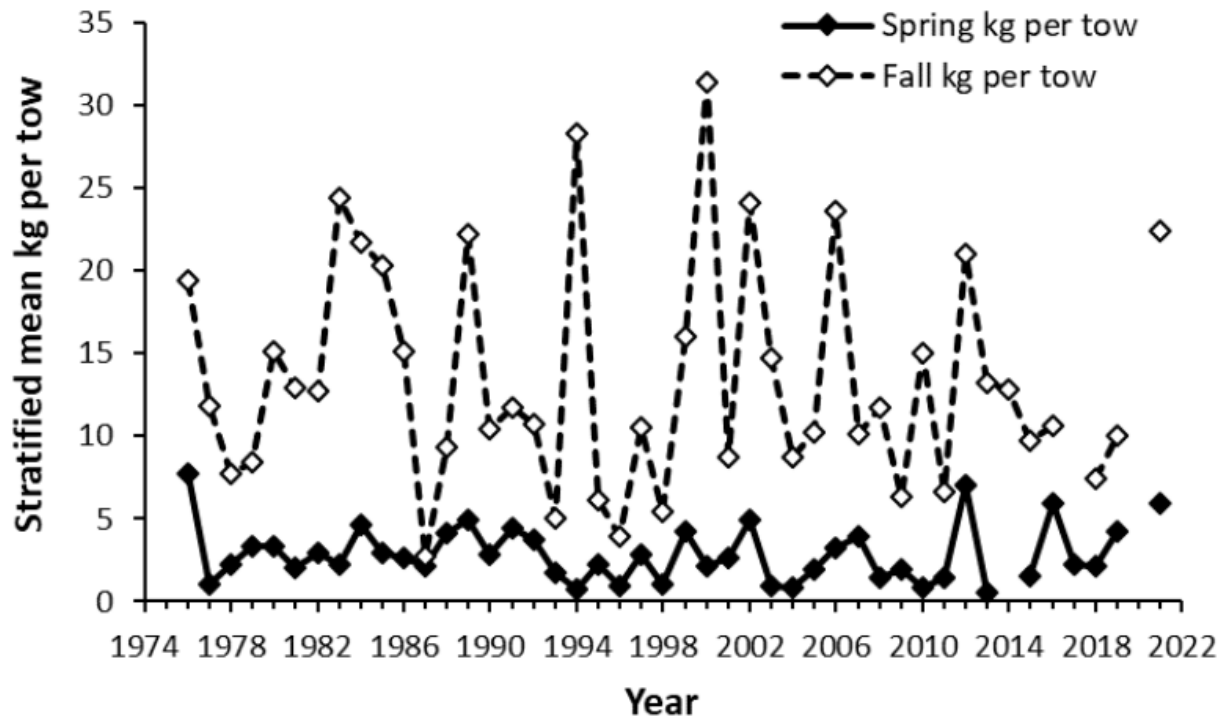


Figure 2. NEFSC spring and fall survey relative biomass indices (stratified mean kg per tow), for *Doryteuthis pealeii*, during 1976-2021. Indices were not computed for the fall of 2017 and 2020 (due to incomplete sampling of the species' habitat and the lack of a survey due to the COVID-19 pandemic, respectively) or the spring of 2014 and 2020 (due to incomplete sampling of the species' habitat).

# Update - Landings

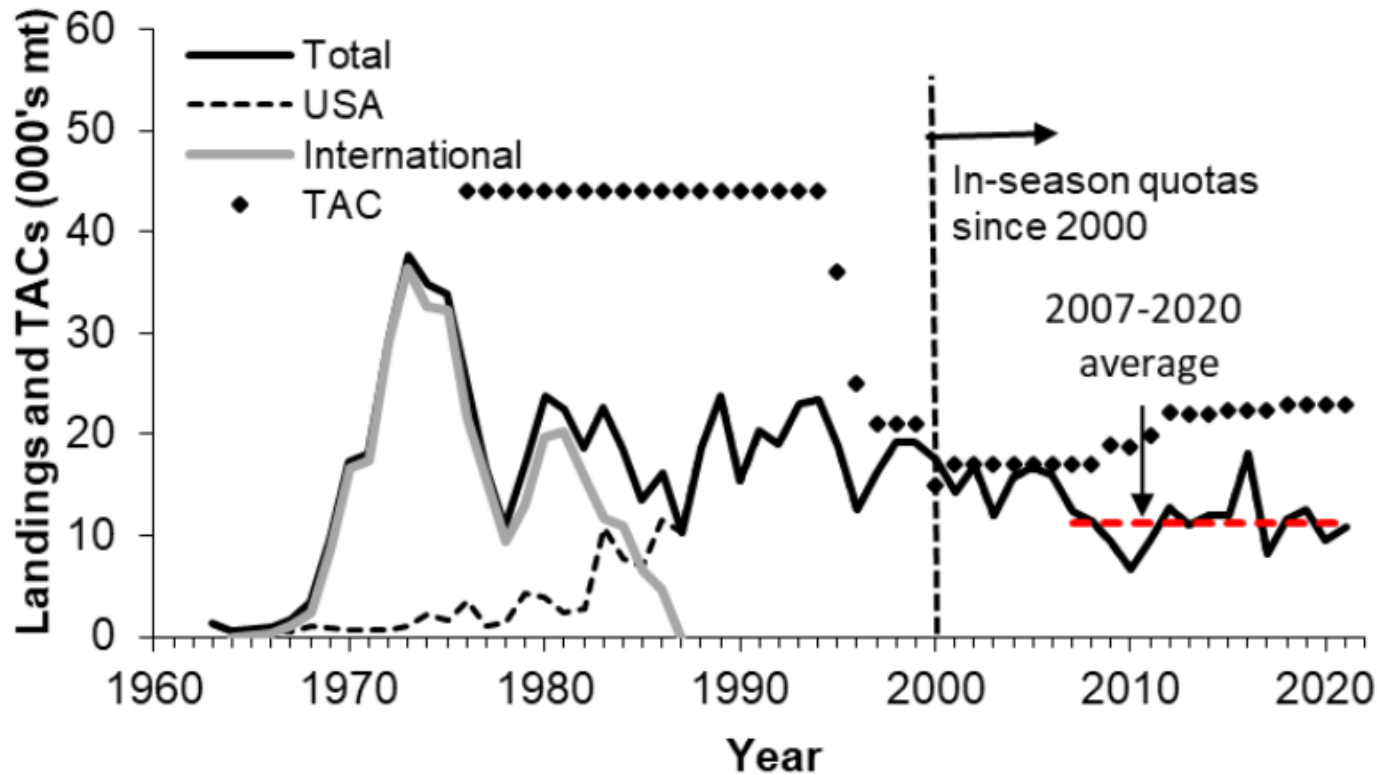
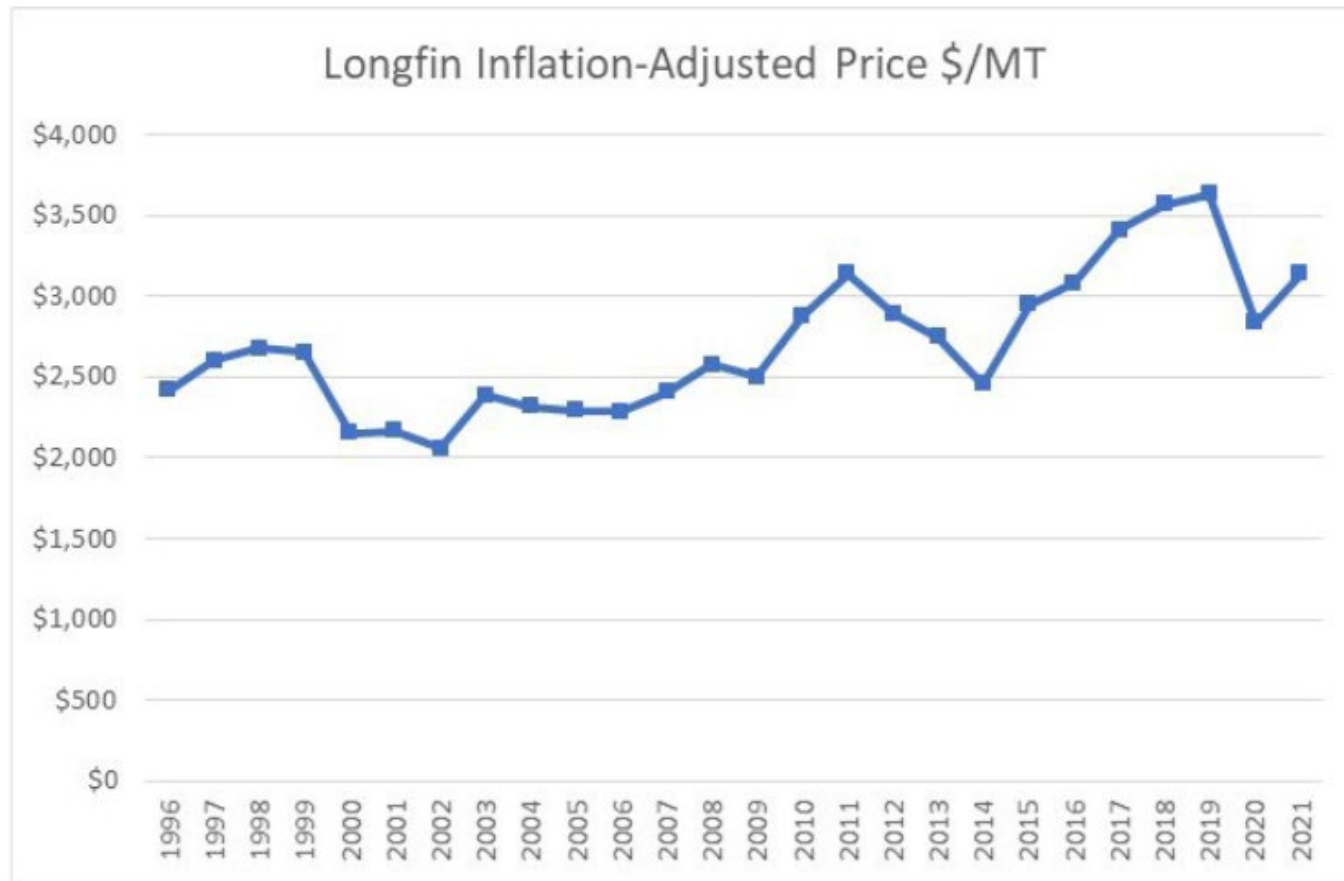


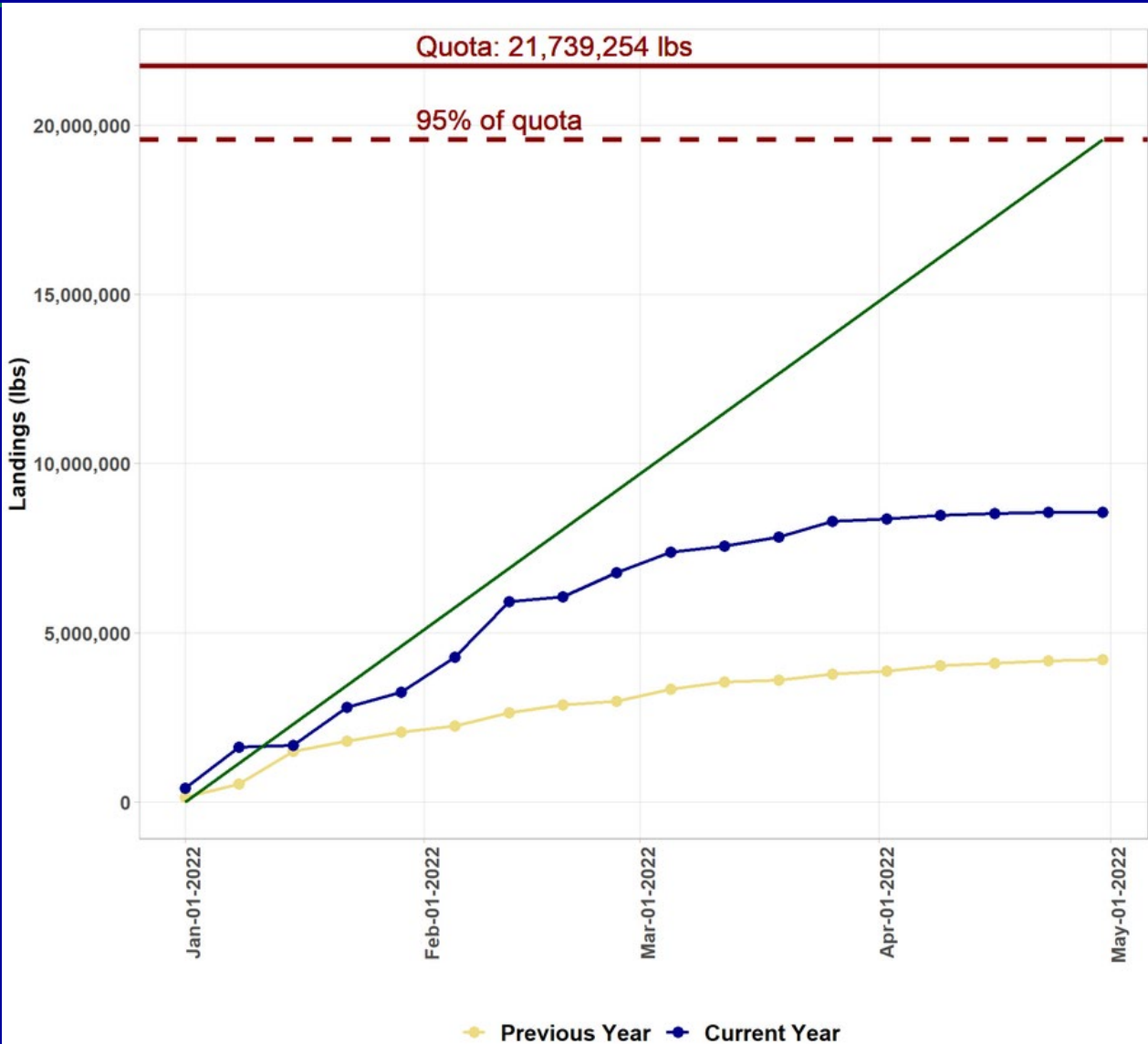
Figure 1. *Doryteuthis pealeii* landings during 1976-2021. The 2021 landings are preliminary because not all of the state data were available as of May 3, 2022. Trimester-based quotas have been in effect since 2007.

# Update - Price



**Figure 4.** Ex-Vessel Longfin Prices 1996-2021 Adjusted to 2021 Dollars Source: NMFS unpublished dealer data.

# Update – 2022 Trimester 1 Landings



# Longfin – FPR

- 2021 price recovery after 2020 Covid impacts
- Ongoing management restrictions affect catch
- Shifting thermal habitat
- Current fuel prices impacting 2022 effort

# Longfin – FPR...Concern about:

- Pending turtle measures
- Windfarms (access and biological effects)
- Assessment process and potential shift to sub-annual assessment without additional science (cohorts & catchability)
  - Lower early/mid 2020 effort was a natural experiment – minimal effects apparent.
  - Covid data gaps



# Staff Recommendation

- No changes