



Spiny Dogfish
2022
Federal Specifications
Review

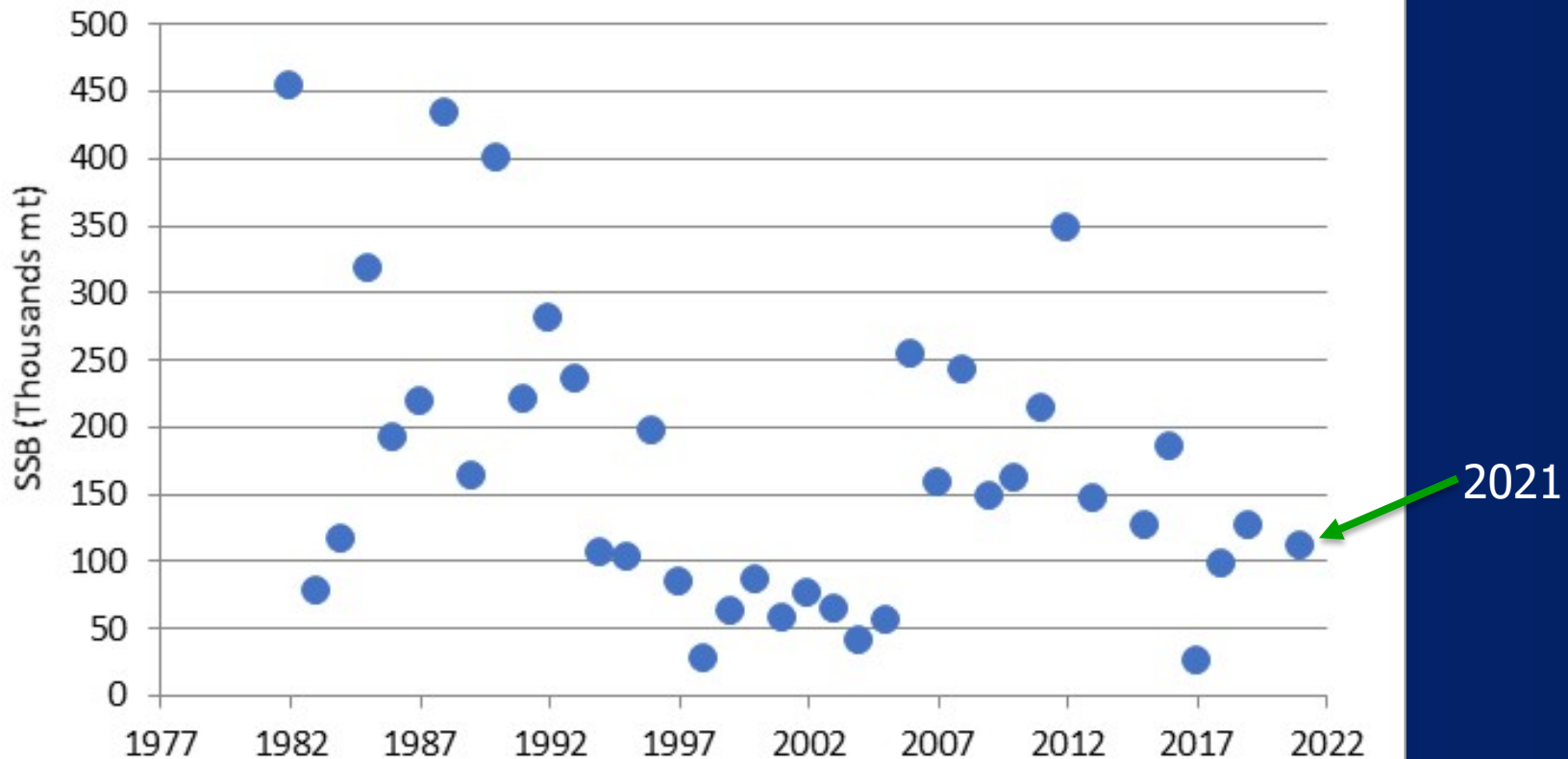
October 2021

Current 2021 + planned 2022 Specs

- Acceptable Biological Catch (ABC)
 - 17,498 metric tons (mt); 38.6 million pounds
 - 13,408 mt quota; 29.6 million pounds (discards)
- P^* for 2021 = 0.333
 - Extended ABC to 2022 (May 1, 2022)
 - Research Track Assessment underway
- Open access, current federal trip limit =
6,000 pounds

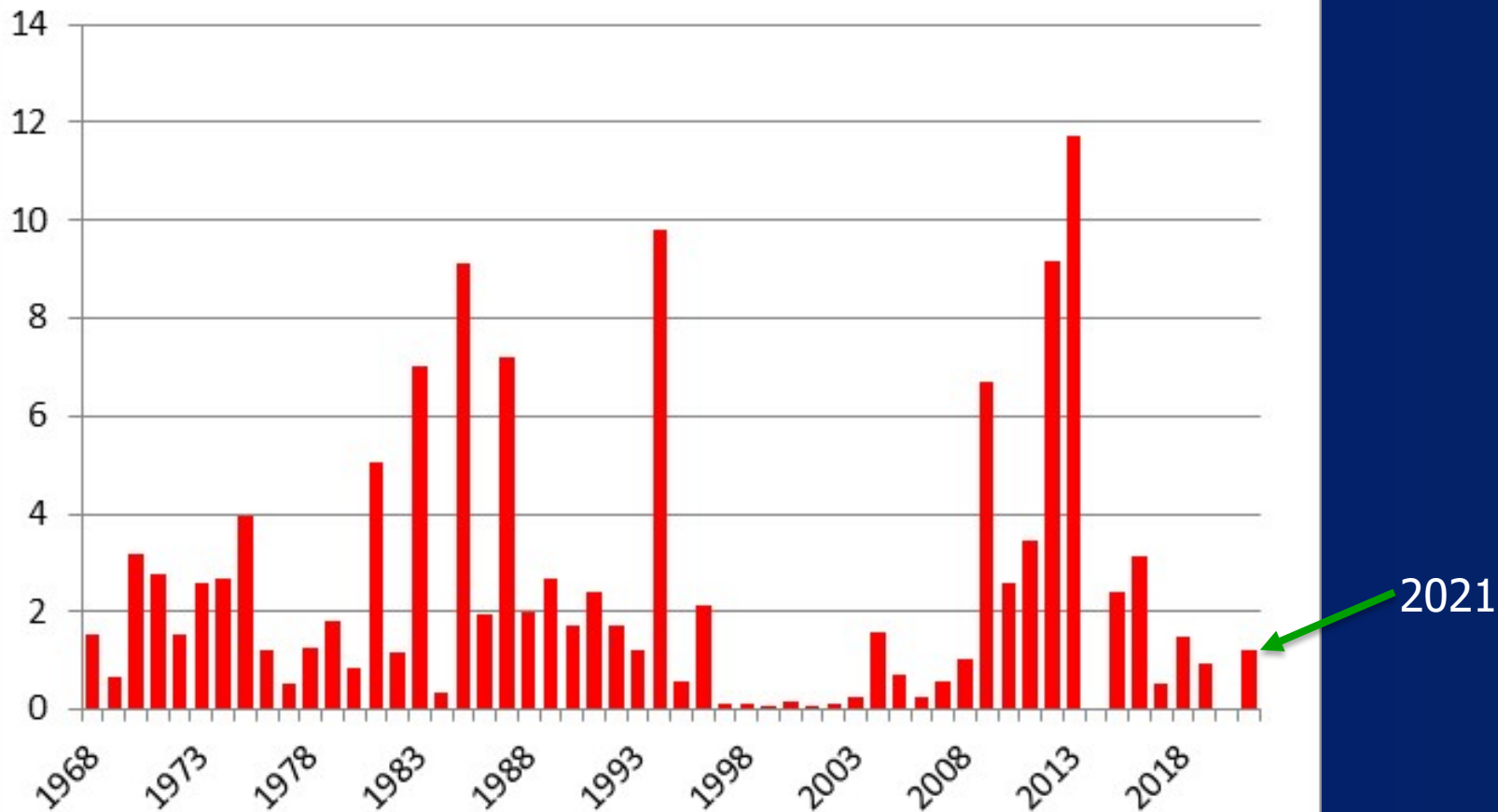
Survey Update

Female spawning stock biomass Estimates 1982-2021



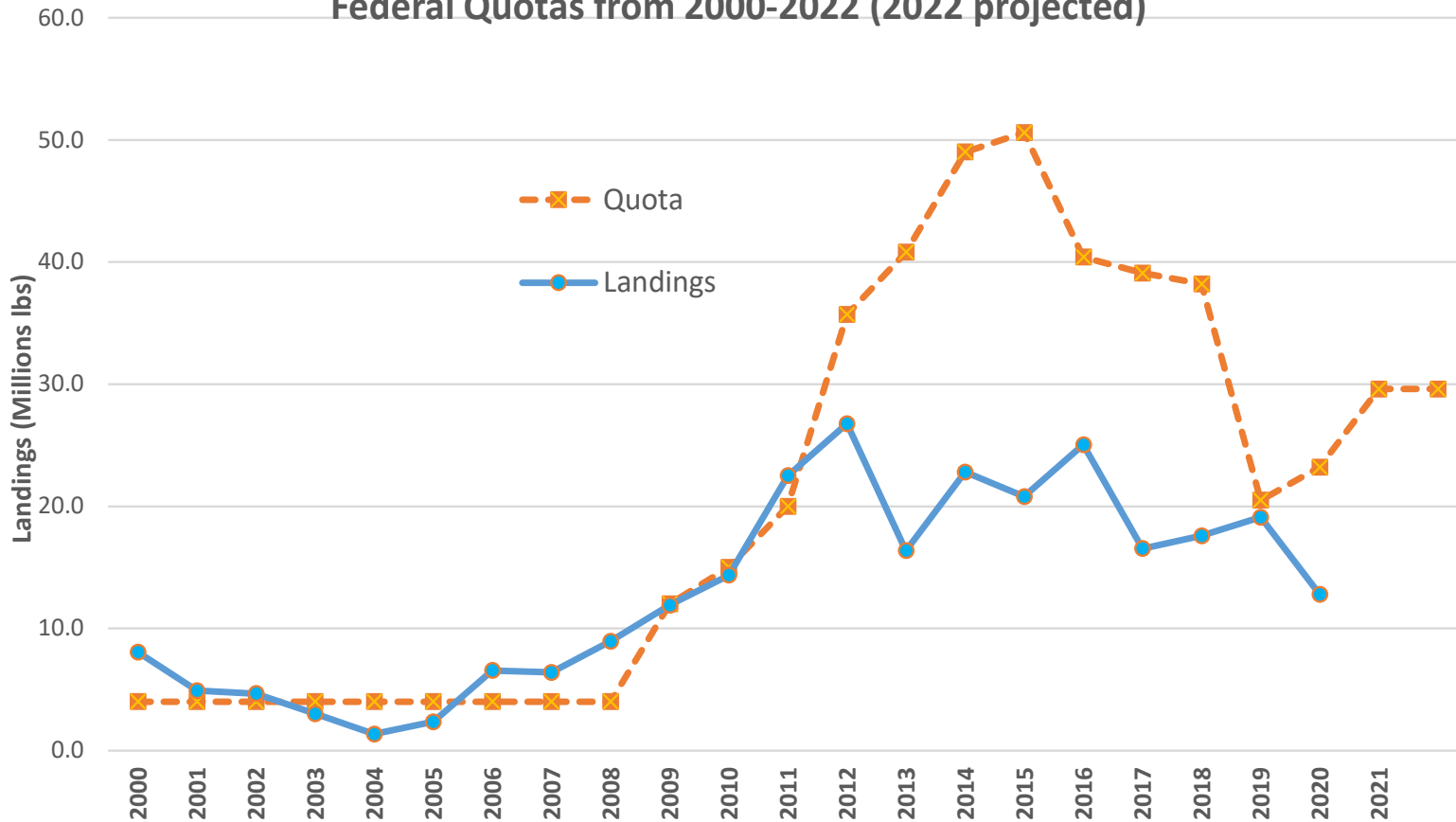
Survey Update

Pup Index, 1968-2021

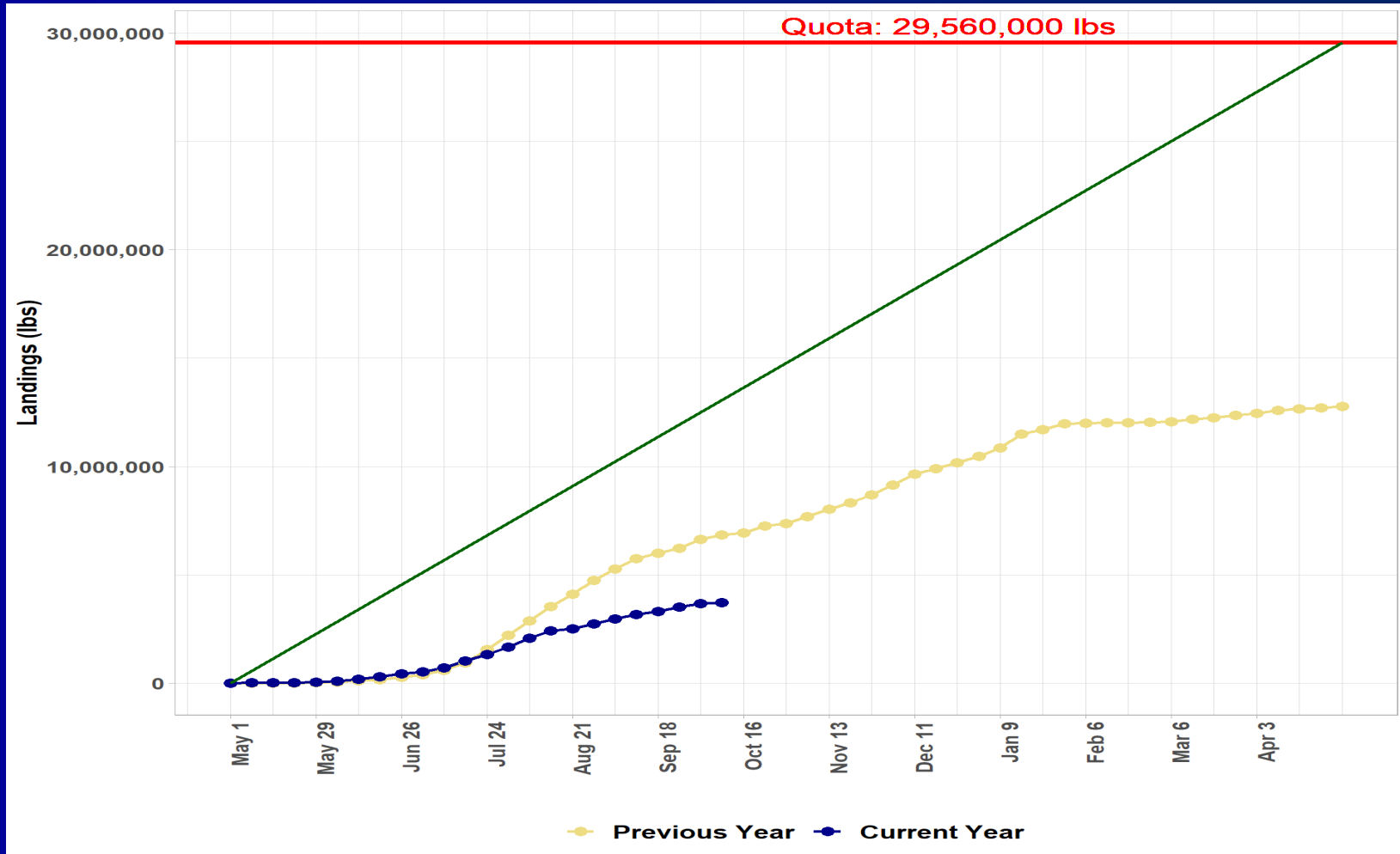


Landings Since Management

Commercial Spiny Dogfish Fishing Year Landings from 2000-2020 and Federal Quotas from 2000-2022 (2022 projected)



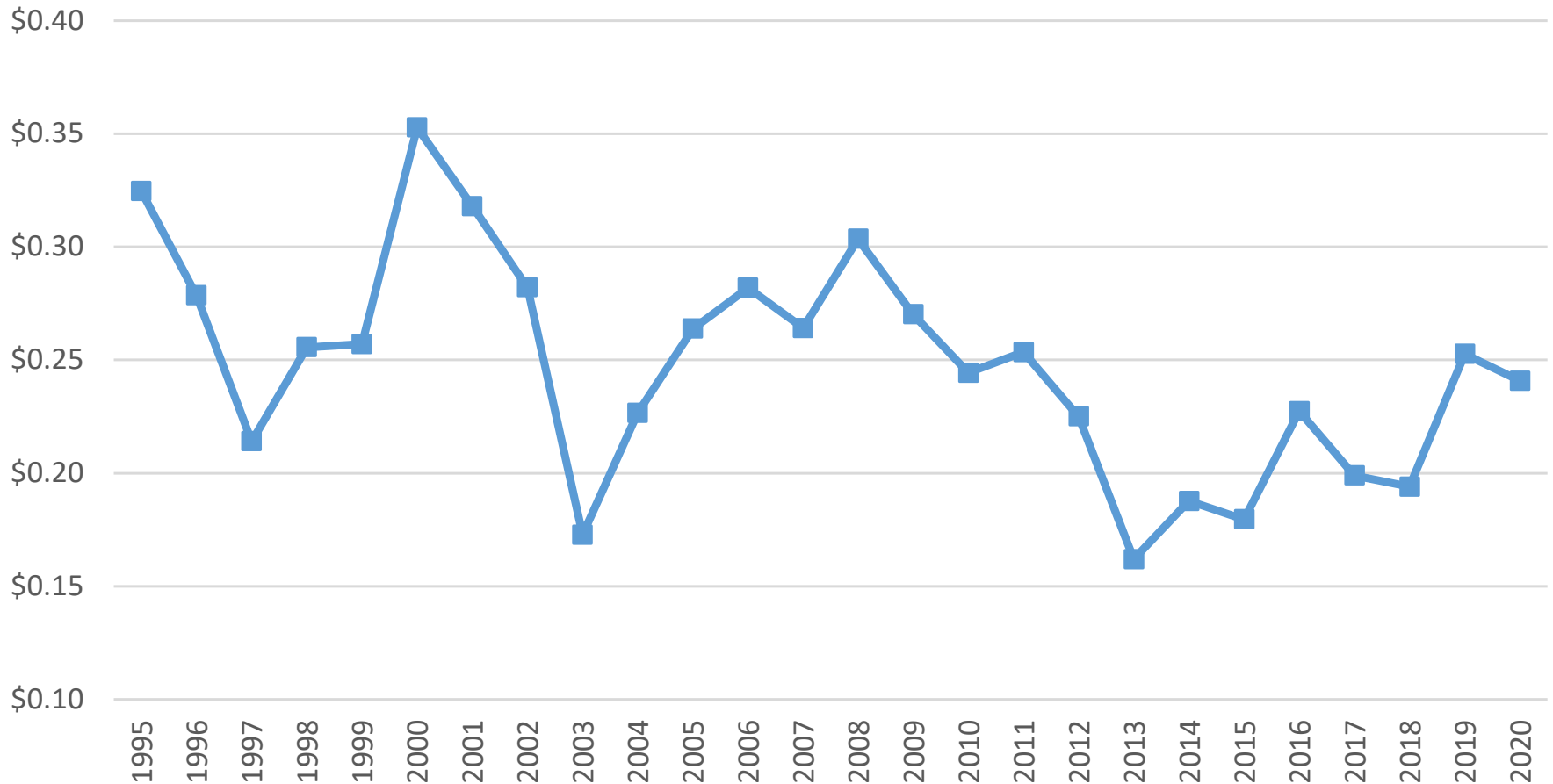
Dogfish Landings 2020 and 2021 FYs



Yellow = 2020 Fishing Year, Blue = 2021

Price up to 2020 Fishing Year

Dogfish Price, Inflation Adjusted (2020) \$/pound



Dogfish – Advisory Panel FPR

- Similar sentiments as previous years
- Markets and trip limit restrict landings
- Continued erosion of participants
 - Increased fuel costs and opportunities in other fisheries: 10,000 lb trip limit would increase landings
- 2020 VA landings particularly off
 - Other opportunities, weather
- MA off to a slow start for 2021 fishing year (summer-fall) (public)
 - Availability, skate issue, other opportunities

Dogfish – Advisory Panel FPR

■ Science Concerns

- Bigelow operations performance
- Dogfish distribution and meaning for trawl index
 - Survey area and water column usage
- Fecundity

Spiny Dogfish SSC

- Data gaps will increase uncertainty, especially 2020 Spring Survey
- 2021 Survey available
 - SSB down slightly and no evidence of a strong year class in 2021
- Research Track Assessment to be completed in 2022
 - SSC recommends collaboration with Canada on ageing methods
 - Alternative modeling approach possible
- **SSC did not recommend any changes to current quota**

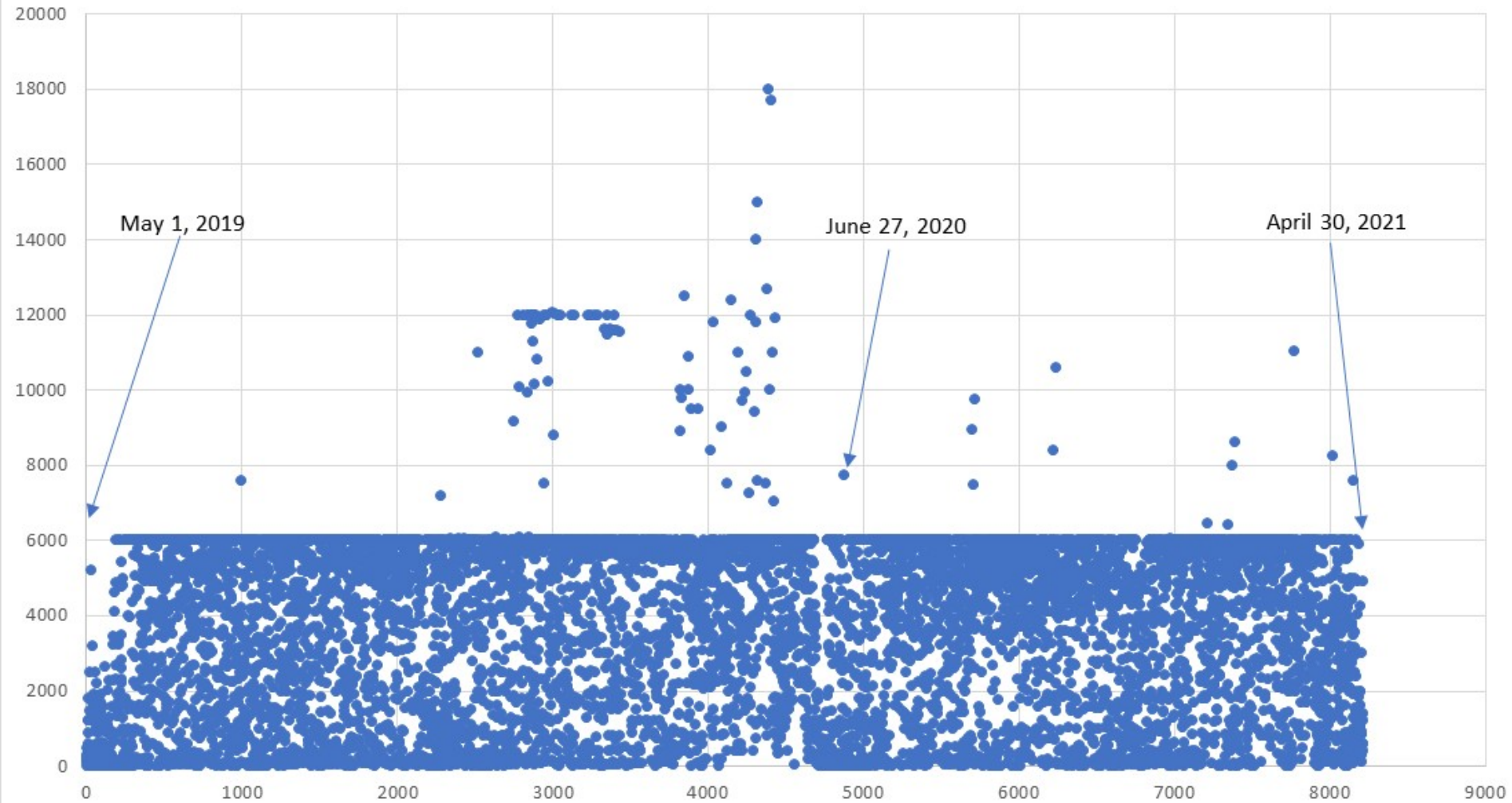
Dogfish – Trip Limit Analysis

- Considers price as indicator of disruption
- No substantial price effects apparent from two most recent changes
 - 4,000 to 5,000 (2014) and
 - 5,000 to 6,000 (2016)

Additional descriptive info... 2019 and 2020 fishing years...

Dogfish – Trip Limit Analysis

8,215 Trips with Some Federal Permit 2019-2020 Fishing Years

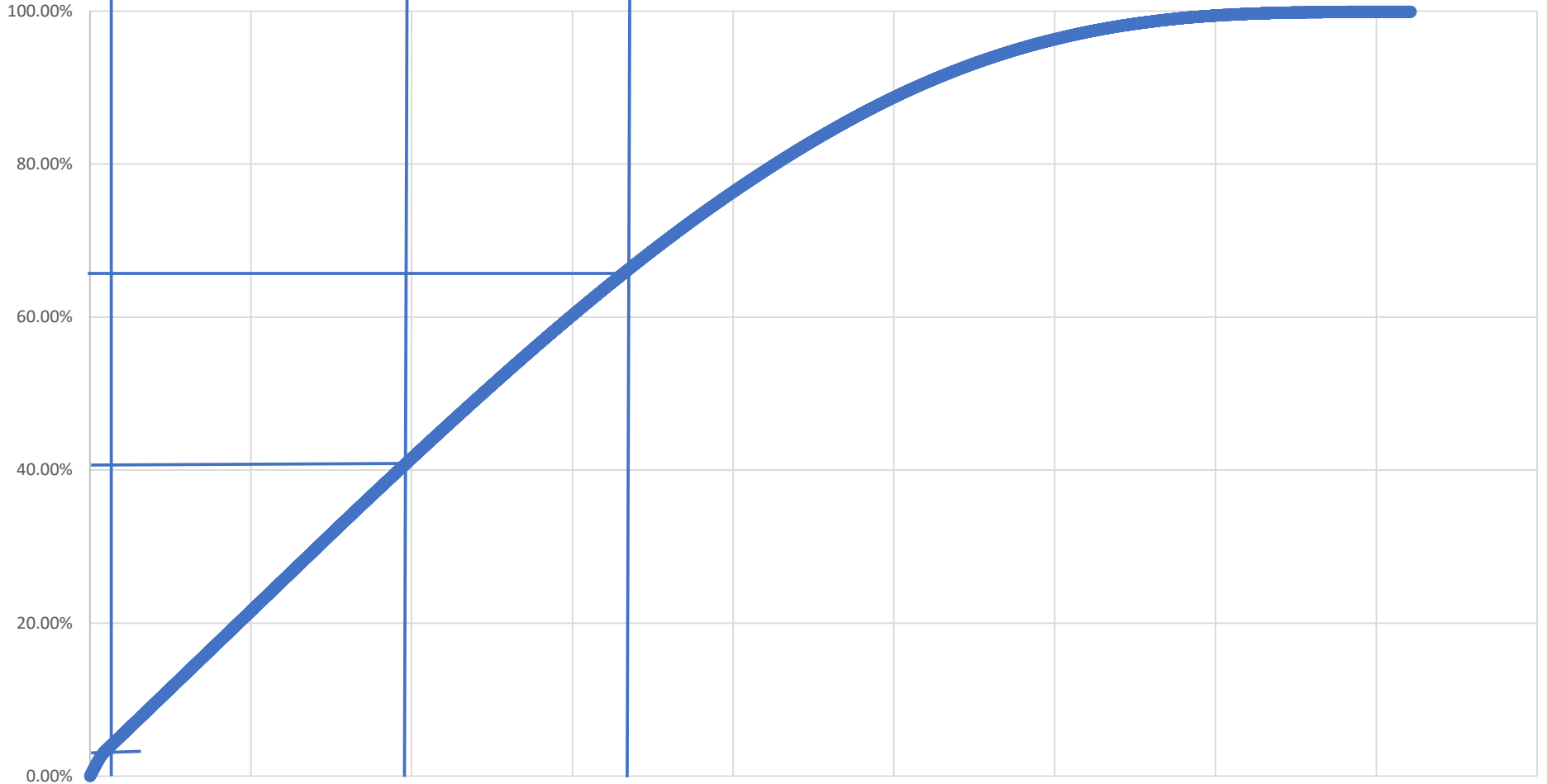


Dogfish – Trip Limit Analysis

6000+ = 4% land,
4% cumulative

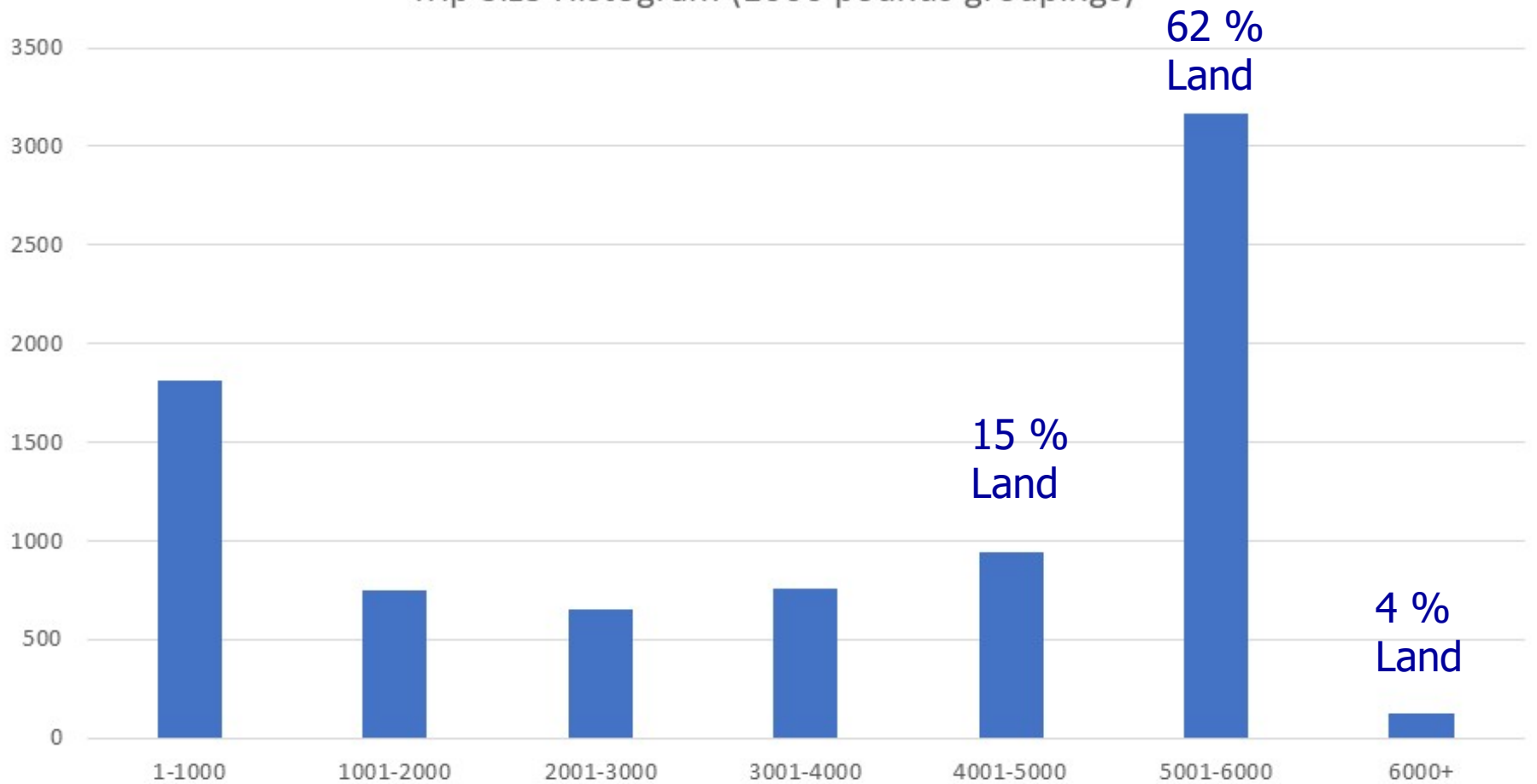
6000-5800 = 37% land,
41 % cumulative

5800-5000 = 25% land,
66% cumulative



Dogfish – Trip Limit Analysis

Trip Size Histogram (1000 pounds groupings)



Dogfish – MonCom

- Ex-Officio industry members: Double trip limit to 12,000 pounds
 - Incentivize return to the somewhat higher participation levels as seen in recent years
- MonCom concerns more process oriented...
 - as long as adhering to overall ABC/ACL, different trip limits should not negatively affect stock size
 - Size of change & impacts dictate process
 - Emergency rule seems unlikely.

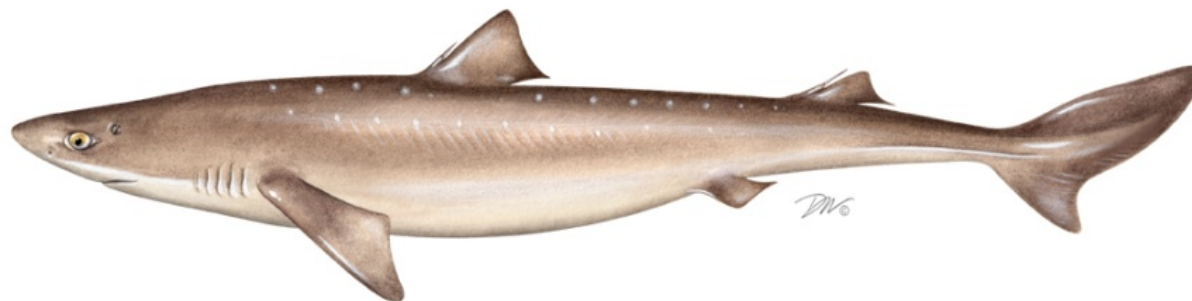
Dogfish – MAFMC

- No changes to specifications/quotas.
- Increase federal trip limit to 7,500 pounds (25% increase)
- In December, consider prioritizing a 2022 framework for additional modifications

Dogfish – NEFMC

- Will consider in December...

Spiny Dogfish 2022 Specifications



October 21, 2021

Update



- October 2021: MAFMC recommended increasing the federal trip limit from 6,000 to 7,500 lbs for the 2022 Fishing Year (FY)
 - Consider adding a framework on trip limits to MAFMC Implementation Plan
- Board can modify Northern Region (ME-CT) trip limit for 2022 FY
 - 2021 FY: 6,000 lbs



Board Action for consideration



- Increase the Northern Region Trip Limit for FY 2022 to 7,500 lbs to be consistent with the MAFMC's recommendation to NOAA
- Recommend other states (NY-NC) to implement trip limits that don't limit a 7,500 lbs federal trip limit



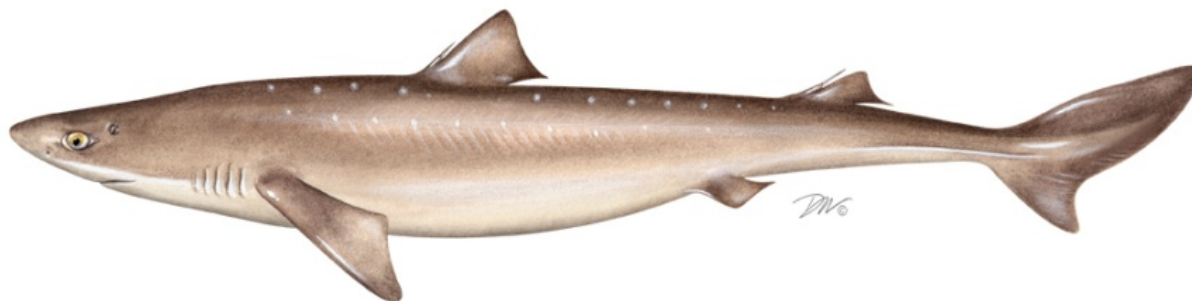


Questions?





Spiny Dogfish FMP Review for 2020 Fishing Year



Spiny Dogfish Management Board
October 21, 2021

Overview



- Status of the Stock
- Commercial Quota/Landings
- State Compliance and *De Minimis* Requests
- PRT Recommendations



Status of the Stock



- No Update since 2018
 - Not overfished and overfishing is not occurring
 - (2018) Female SSB = 106,753 MT > SSB_{Target}
 - (2017) $F = 0.202 < F_{Target}$
- Research Track Assessment scheduled for 2022



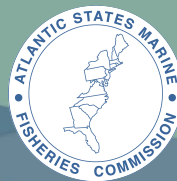
Commercial Quota/Landings



- May 1, 2020 – April 30, 2021
- Quota was 23.19 million lbs
- Trip limit for northern region was 6,000 lbs
- Commercial landings were 12.75 million lbs
 - Approx 30% decrease from FY 2019
- Recreational Harvest & Dead Discards
 - Landings: 263,594 pounds, 126% increase
 - Dead Discards: 1.7 million pounds, 32% decrease



State Compliance and *De Minimis*



- PRT reviewed all state compliance reports
- In 2020, all regions and states harvested within their quota
- All states implemented regulations consistent with the requirements of the FMP
- New York and Delaware
 - *de minimis* is <1% of total landings, no monitoring requirements but must report landings annually
 - Both states meet the requirements for 2020



PRT Recommendations



- States to more clearly indicate where landings are reported (NOAA or SAFIS)
- Exempted Fishing Permit
 - FMP language: specific to biomedical
 - Most EFPs in recent years: education or research
- De Minimis
 - Unclear of benefits currently



Board Action for Consideration



Accept the FMP Review and State Compliance Reports for Spiny Dogfish 2020/2021 Fishing Year and *de minimis* requests from New York and Delaware.





Questions?





Update on Spiny Dogfish Research Track Assessment

ASMFC 2021 Annual Meeting

10/21/2021

C. McManus

Background and Timelines



- In Summer of 2021, Research Track Stock Assessment (RTSA) for Spiny Dogfish was initiated.
- Research track assessments evaluate new datasets that can either inform or be used in new or existing stock assessment models.
- Our goal is to develop an improved stock assessment for spiny dogfish that can be used for future management track assessments.
- RTSA Workgroup formed.
 - ASMFC, FWS, MAFMC, NEFSC, RIDEM
- Peer-review for the assessment planned for July 2022.

Progress To-Date



- The Working Group has had three meetings thus far.
- Several new assessment advances are being evaluated thus far, including but not limited to:
 - Development of new assessment model: Stock Synthesis ver 3.
 - Aging of spines for assessment input data and understand changes in growth over time.
 - Tagging data analysis to inform changes in migration and distribution.
 - Spatial distribution of male and female dogfish by season and over time,
- Plan to engage stakeholders directly through dedicated meeting(s).

QUESTIONS?

