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Revise the Annual Catch Target for Red Grouper: Season Length for the Recreational Sector

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LAPP/DM Branch
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Background

- The current red grouper Annual Catch Target (ACT) is being tracked using the MRIP Coastal Household Telephone Survey (CHTS) equivalent landings.
- MRIP CHTS catch was used in the previous assessment (SEDAR 42, 2015).
- The last recreational red grouper closure occurred in 2015.

Recreational Gulf red grouper MRIP CHTS landings (lbs gw) and ACT

Year	MRIP CHTS Landings	ACT
2017	739,073	2,370,000
2018	913,978	2,370,000
2019	725,105	920,000

Source: SEFSC MRIP CHTS Recreational ACL Dataset (May 2020).



Background

- Amendment 53 is being developed to revise the red grouper allocation between the commercial and recreational sectors and modify the total and sector ACLs based on results of SEDAR 61 (2019) that used MRIP Fishing Effort Survey (FES) catch.
- Recreational season length is being projected for the current ACT options in Amendment 53 using MRIP FES landings.

Recreational Gulf red grouper landings (lbs gw)

Year	CHTS Landings	FES Landings
2017	739,073	1,692,513
2018	913,978	2,053,526
2019	725,105	1,638,076
Average 17-19	792,719	1,794,705

Source: SEFSC MRIP CHTS and FES Recreational ACL Datasets (May 2020).



Analysis

- Future landings were determined from taking an average of the three most recent years of complete data for each month.
- Recreational landings by wave were broken up into month assuming uniform landings by wave.

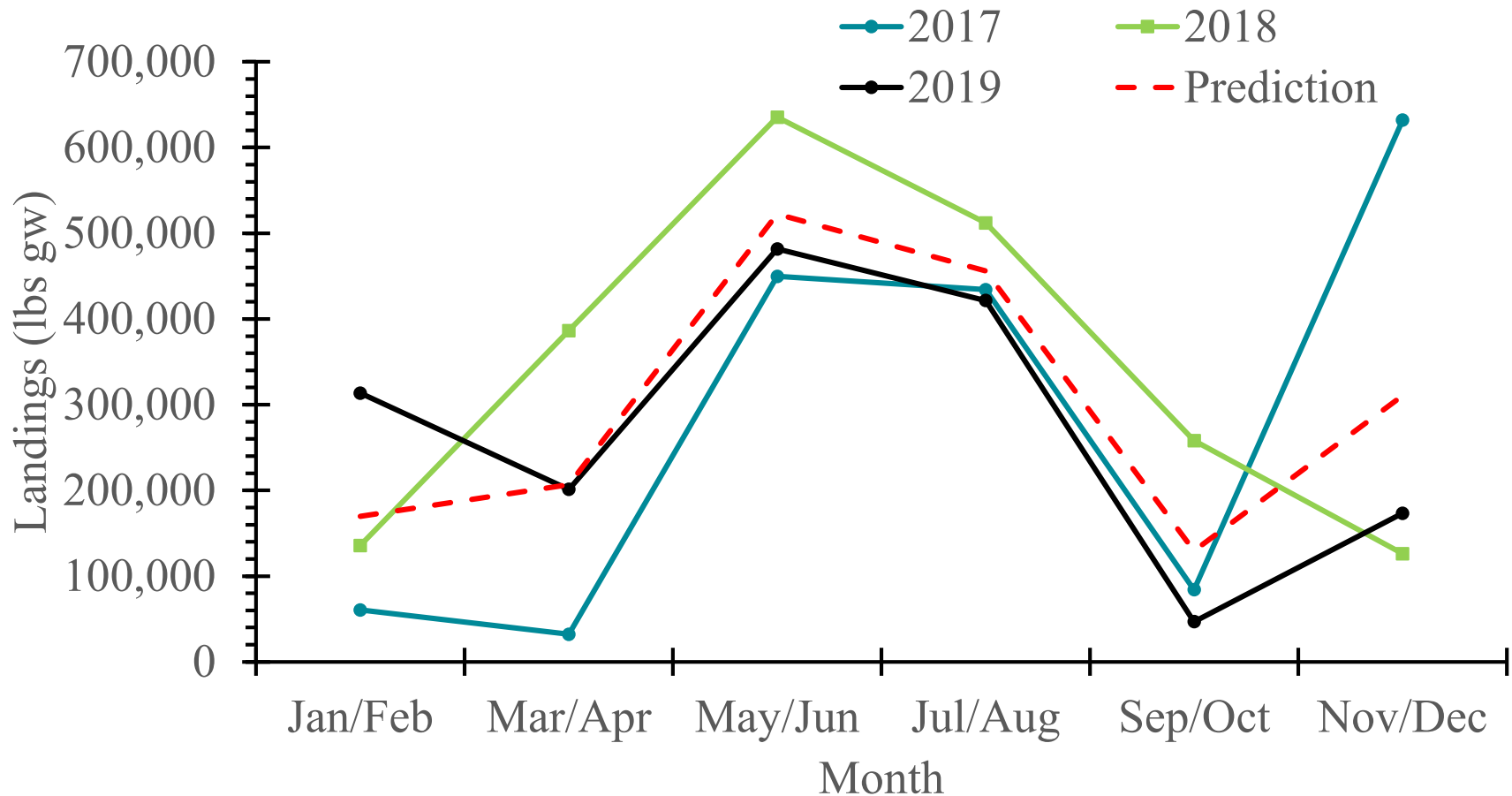
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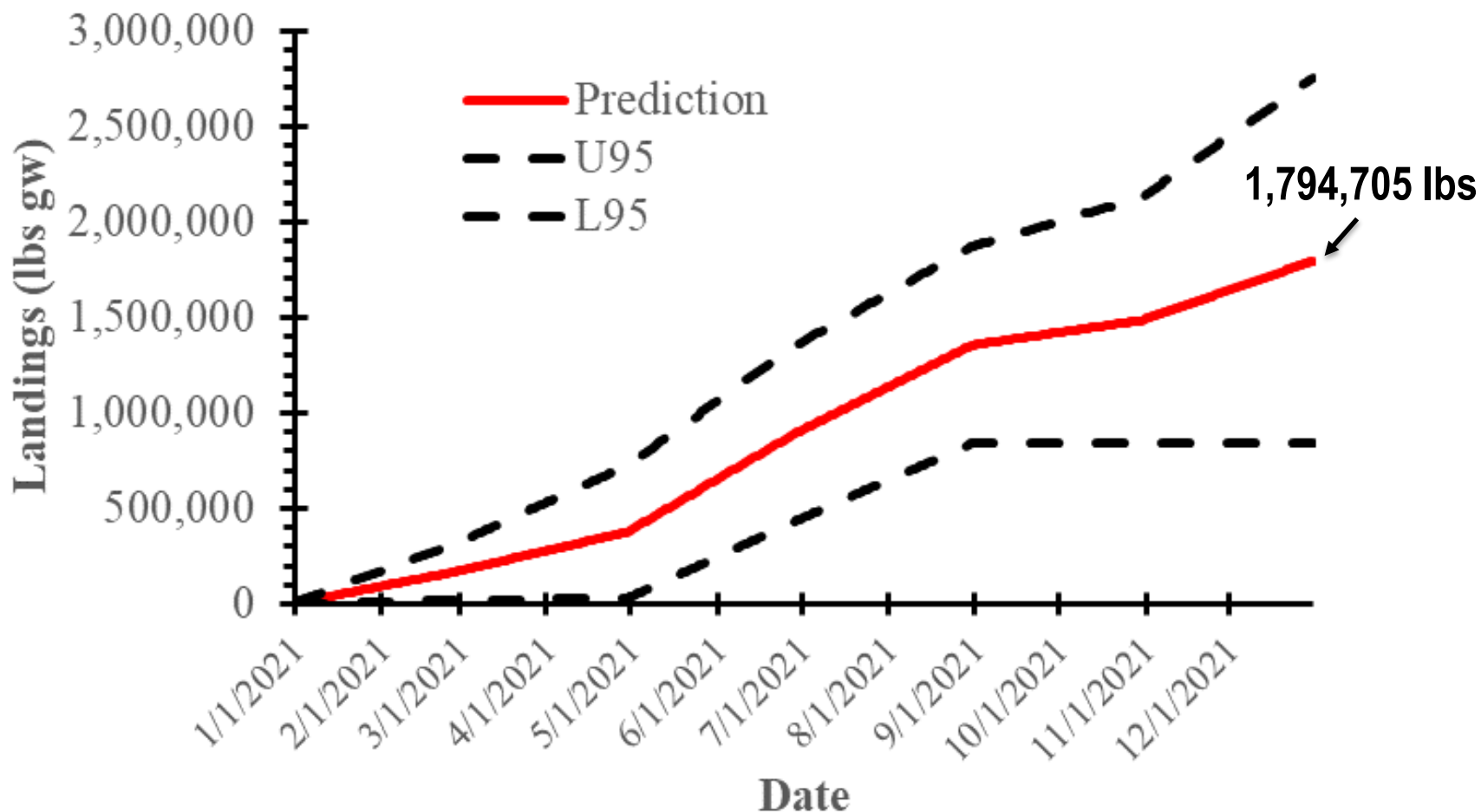


Gulf of Mexico red grouper recreational landings by two-month wave and predicted future landings



Source: SEFSC MRIP FES Recreational ACL Dataset (May 8, 2020).

Cumulative predicted Gulf of Mexico red grouper recreational landings with 95% confidence intervals



Source: SEFSC MRIP FES Recreational ACL Dataset (May 8, 2020).



Predicted closure dates for each recreational ACT currently in Amendment 53 generated from the predicted landings

ACT (mp gw)	Predicted Closure Date	Season Length (95% Confidence Interval)
1.07	July 23	155—365 Days
1.09	July 26	157—365 Days
1.55	November 12	206—365 Days
1.56	November 14	207—365 Days
1.57	November 16	208—365 Days
1.58	November 18	209—365 Days
1.59	November 20	211—365 Days
1.93	No Closure	259—365 Days

Source: SEFSC MRIP FES Recreational ACL Dataset (May 8, 2020).

Questions?

