

SAFE & Document Guidelines

BSAI CRAB PLAN TEAM

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BSAI Crab SAFE Guidelines – where we are at

SAFE Guidelines doc (2023): Good resource, not a quick reference, some guidance is missing:

- new general guidance
- updates & reminders for table templates
- risk tables and buffer history
- appendices
- overfishing and overfished status

New documents (also found on the CPT eAgenda)

- Draft Review Checklist
- Draft General Reminders
- Table template for new table in Exec Summary (also in Review Checklist link above)
- Draft Rounding Guidance



Some remaining questions

- Model numbering guidance - GMACS version, new data (just another year) -
 - purpose of keeping model number is for continuity (year in number should reflect the year the model was 1st adopted), should focus on model structure.
 - Current guidelines would suggest that neither a version update or additional year of data would constitute a model number change.
 - Thoughts?
- Projections – what and how to display
 - number of years
 - recruitment options
 - F options
- Appendices – guidance for what to include in them. Standardize ESP Appendix #?
 - Standard designations?
- Where to put buffer history – in SAFE doc (where), in SAFE Intro, both?



Some remaining questions

- Tables
 - Caption and/or column retitled to clarify table 1 vs 3 MMB (Table 3 projected MMB assuming full OFL is taken, Table 1 is the updated estimate after fishing occurred)
 - Table 1 – add model # column, combine model outputs in one table?
 - Stock status table - change label of Total catch → total mortality
 - Add buffer history for basis of OFL table?
 - Basis for OFL - model #s in Exec Summary, only report for years there was an assessment (refer to Bucks Prib slide)
- Rebuilding section – any guidance needed?
- Tier definitions/designations - e.g., Tier 4 refers to reference point calculations NOT assessment type
- Risk Tables – top row information, include info in last two columns?
- Guidelines for proposed model docs - draft for Nov
- Guidelines for stocks on multi-year schedules - draft for Nov
- Rounding guidance, thresholds - next slide



Rounding guidance

Below are guidelines for management quantities. Use the guidance which corresponds to the lowest reported value for an entire table.

For Metric units:

- Report quantities greater than or equal to 10 t in **kilotonnes** (e.g., 0.010 kt) and round decimals to the thousandth place;
- Report quantities less than 10 t in **tonnes** and round decimals to the hundredth place;
- For quantities greater than 0, but less than 0.01 t, report “< **0.01**”.

For Imperial Units:

- Report quantities greater than or equal to 22,000 lb in **millions of pounds** (e.g., 0.022 mil lb) and round decimals to the thousandth place;
- Report quantities less than 22,000 lb in **pounds** and round to the nearest pound;
- For quantities greater than 0, but less than 1 lb, report “< **1 lb**”



Buffer history - combined table example

Table 4 BSAI Crab stocks by Tier and relative ABC buffer (i.e. percentage below the OFL point estimate) over the last 5 years (2021/22 – 2025/26)

Crab Stock	Tier	ABC Buffer by year				
		2021/22	2022/23	2023/24	2024/25	2025/26
EBS Snow Crab	3	25%	25%	50%	65%	40%
Bristol Bay Red King Crab	3	20%	20%	20%	20%	20%
EBS Tanner Crab	3	20%	20%	20%	20%	20%
Pribilof Islands red king crab	4	25%	25%	25%	25%	25%
Pribilof Islands blue king crab	4	25%	25%	25%	25%	25%
St. Matthew blue king crab	4	25%	25%	25%	25%	25%
Norton Sound red king crab	4	40%	40%	30%	30%	30%
Aleutian Islands golden king crab	3	30%	25%	25%	25%	25%
Pribilof Islands golden king crab	5	25%	25%	25%	25%	25%
Western Aleutian Islands red king crab	5	75%	75%	75%	75%	75%

Add subscript for 2025/26 change to Tier 4

